# CS4RRA – PARTNERS DIRECTORY

The partners who have completed the partnering survey and agreed to share their contact to figure in this directory are listed below. Those partners are searching for a **consortium to join or additional partner(s)**.

You may explore the profiles listed by country and reach out to the ones that meet your consortium objectives and needs.

## Reminder of the CS4RRA eligibility criteria

An eligible consortium must include at least:

- **2 West African partners** from **2 different countries** (see list of West African countries on the Call Text)
- **1 European partner** (from the Group of Funding Parties or self-funded)

The **Project Coordinator** must be based in **West Africa**

# TABLE

## Belgium

**Ian Shynkarenko**

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**Represent team from** : Europe
**Country** : Belgium
**Organisation** : VITO

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Sierra Leone

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Remote Sensing, Insurance, Agrifinance
**Tentative title of research project** : Comprehensive Agriculture Hybrid Crop Insurance for Smallholder Farmers
**Tentative project summary** : Development of a technology enhanced hybrid crop insurance product (area-yield index and indemnity components) to enhance farmers' resilience against weather and climate risks.
**Research area** : Sierra Leone + any other neighboring country in West Africa

**SEARCHING FOR**

**Consortium to join** : No
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : Insurer and/or MFI
**Will ask funds to** : BMFTR

## Benin

**AYEDEGUE Philippi Destin**

**Name** : AYEDEGUE Philippi Destin
**Contact** : destinayedegue5@yahoo.fr
**Represent team from** : Africa
**Country** : Benin
**Organisation** : DEDRAS-NGO

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Burkina-Faso and Benin

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : prediction, weather information, community-responsive platform
**Tentative title of research project** : ClimateShield – Integrated Early Warning & Risk Intelligence Platform for Climate Security
**Tentative project summary** : To design and deploy a data-driven, interoperable, and community-responsive platform that strengthens Early Warning Systems (EWS) in alignment with WMO's four pillars, while integrating advanced tools for the operational assessment and proactive prevention of climate-induced security risks.
**Research area** : Benin

**SEARCHING FOR**

**Consortium to join** : No
**One or more african partners** : No
**One or more european partners** : Yes
**Partner profile searched** : European institution specialized in research in climate change sector
**Will ask funds to** :

**Janvier EGAH**

**Name** : Janvier EGAH
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**Represent team from** : africaine
**Country** : Bénin
**Organisation** : Université de Parakou

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** : Bénin, Togo, Côte d'Ivoire ou Burkina-Faso

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : Alerte climatique, coconstruction, systèmes alimentaires, gestion durable des terres
**Tentative title of research project** : Coconstruction d'un mécanisme d'alertes climatique et gestion durable des terres pour des systèmes alimentaires durables en Afrique de l'Ouest
**Tentative project summary** : Coconstruire un mécanisme d'alertes climatiques
Promouvoir des pratiques de gestion durable des terres pour anticiper et gérer les risques climatiques en se basant sur le mécanisme d'alerte
Evaluer l'efficacité des mécanismes de gestion d'alertes climatiques sur les systèmes alimentaires
Capitaliser les bonnes pratiques de gestion des alertes climatiques et de gestion durable des terres
**Research area** : Bénin, Côte d'Ivoire, Togo, et ou Burkina-Faso

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Institution d'enseignement supérieur et de recherche
**Will ask funds to** : Gouvernement des Pays-Bas, Gouvernement du Canada, Gouvernement du Danemark, Commission européenne, Gouvernement de l'Allemagne, Fondation Bill et Melinda Gates

**Ayidego Crépin Ebed HOUENOU**

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**Represent team from** : africaine
**Country** : Bénin
**Organisation** : Initiatives pour un Développement Intégré Durable (IDID-ONG)

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : Alerte précoce; Maraîchage; Bioagresseurs; Résilience climatique; Agroécologie
**Tentative title of research project** : BENIN
**Tentative project summary** : CLIM-MARAÎCHAGE : Système d'Alerte Précoce et Résilience climatique face aux bioagresseurs dans la filière maraîchère en Afrique de l'Ouest

La filière maraîchère joue un rôle crucial dans la sécurité alimentaire, la nutrition et l'économie rurale en Afrique de l'Ouest, particulièrement pour les femmes qui sont largement impliquées dans la production, la transformation et la commercialisation des légumes. Cependant, cette filière est de plus en plus menacée par l'apparition de nouveaux bioagresseurs (insectes, champignons, maladies), dont la dynamique est fortement influencée par les changements climatiques, notamment la variabilité des pluies et l'augmentation des températures.

Ces bioagresseurs provoquent des pertes importantes en quantité et qualité, fragilisant les revenus des producteurs et augmentant la vulnérabilité des communautés rurales. Par ailleurs, les systèmes d'alerte actuels sont souvent généraux, peu adaptés aux spécificités locales et à la diversité des cultures maraîchères. Les maraîchers, et en particulier les femmes, manquent d'informations fiables et anticipatives leur permettant de mieux protéger leurs cultures.

Le projet CLIM-MARAÎCHAGE vise à développer un Système d'Alerte Précoce (SAP) innovant, participatif et spécifique à la filière maraîchère. Ce système intégrera des données climatiques locales, des observations phytosanitaires en temps réel et les savoirs endogènes des acteurs agricoles pour anticiper les pics d'attaques des bioagresseurs. Les alertes seront diffusées via des canaux adaptés tels que les SMS, radios communautaires et supports visuels.

Des actions de formation et de sensibilisation seront également menées pour renforcer les capacités des maraîchers et maraîchères à interpréter ces alertes et à adopter des pratiques agroécologiques durables, notamment la gestion intégrée des bioagresseurs (GIB). Le projet favorisera par ailleurs l'intégration de ces alertes dans les stratégies locales d'adaptation au changement climatique en collaboration avec les collectivités territoriales.

Un point fort du projet est son modèle modulaire et évolutif : il pourra être facilement adapté à d'autres spéculations agricoles confrontées à des problématiques similaires de gestion des

bioagresseurs et de vulnérabilité climatique. Cette approche favorise la réplicabilité et la montée en échelle dans différents contextes régionaux.
Enfin, en promouvant des pratiques agricoles durables et adaptées au climat, le projet contribue à la création et au maintien d'un emploi rural raisonnable et respectueux de l'environnement, soutenant ainsi l'économie locale et la résilience des communautés rurales, en particulier des femmes.
**Research area** : Bénin

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Non
**One or more european partners** : Oui
**Partner profile searched** : 1. Partenaires africains (hors Bénin)
Nombre requis : au moins 2, issus de pays africains différents
Type d'organisation souhaité :
Centres ou instituts de recherche en climat, agriculture, environnement ou hydrologie
Universités avec département en climat, agroécologie, géosciences ou sciences sociales
ONG expérimentées dans la mise en œuvre de projets d'adaptation climatique ou de résilience communautaire
Agences nationales de météorologie ou institutions publiques en lien avec la planification climatique et la gestion des risques
Expertise recherchée :
Co-production de services climatiques avec les communautés
Mise en œuvre de systèmes d'alerte précoce à l'échelle locale
Évaluation des risques climatiques et vulnérabilités territoriales
Intégration du genre et des savoirs endogènes dans les stratégies d'adaptation
Expérience de terrain dans des contextes similaires à celui du Bénin (zone soudano-guinéenne ou sahélienne)
☑ 2. Partenaire européen
Nombre requis : au moins 1, issu de l'un des pays financeurs (France, Allemagne, Italie, Norvège…)
Type d'organisation souhaité :
Institut de recherche (ex. : IRD, CIRAD, Helmholtz, CMCC…)
Université spécialisée en climat, environnement, développement ou économie verte
Think tank ou ONG disposant d'une expertise en gouvernance climatique, finance climat ou transfert technologique
Expertise recherchée :
Analyse des risques climatiques à différentes échelles
Outils de modélisation climatique, projections, big data
Appui à la structuration de services climatiques inclusifs (alertes, prévisions, conseil agricole)
Méthodologies d'évaluation d'impact des politiques climatiques
Appui à la rédaction scientifique et publication des résultats
🧩 Idéalement, les partenaires devraient :
Avoir une expérience de collaboration internationale ou inter-africaine
Être disposés à co-construire les livrables avec une approche participative
Avoir une capacité administrative solide pour gérer des projets financés à hauteur de 2 millions d'euros
Être ouverts à l'intégration de l'art, de la culture et du genre dans les outils ou livrables, si le projet le justifie

**Parfait BLALOGOE**

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**Represent team from** : africaine
**Country** : Bénin
**Organisation** : Centre de Recherche et d'Expertise pour le Développement Local (CREDEL)-ONG

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : Système d'alerte Précoce; Informations climatiques, Utilisation et Résilience
**Tentative title of research project** : La résilience des moyens de subsistance basée sur l'utilisation de l'information liée aux systèmes d'alertes précoces (SAP)
**Tentative project summary** : L'élaboration et la diffusion d'informations hydrométéoclimatiques sont l'une des stratégies d'adaptation aux changements climatiques en Afrique de l'Ouest. Elles aident à la planification et la mise en œuvre de politiques agricole, sanitaire et de sécurité alimentaire (SY, 2018). Cependant, l'utilisation de ces informations par les acteurs notamment par les femmes et autres groupes vulnérables se heurte à des problèmes comme l'inadéquation des produits à leurs besoins, l'inaccessibilité, l'incertitude, l'incompréhension, etc. (Kouderin, 2021 ).
Le projet vise à promouvoir la production et la diffusion par des canaux appropriés des informations hydrométéorologiques et climatiques adaptées (pour les femmes/les hommes et les institutions) pour la prise de décisions éclairée dans les domaines prioritaires du Cadre mondial pour les services climatologiques (la prévention des catastrophes, la santé publique, la gestion des ressources en eau, l'agriculture/sécurité alimentaire).
**Research area** : Bénin et deuxième pays ( à choisir en fonction du deuxième partenaire )

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Non
**One or more european partners** : Oui
**Partner profile searched** : un organisme européen et africain pour constituer le consortium
**Will ask funds to** : A décider avec les autres partenaires

## Burkina Faso

**OUATTARA A. Emmanuel**

**Name** : OUATTARA A. Emmanuel
**Contact** : emaouat@yahoo.fr
**Represent team from** : africaine
**Country** : Burkina Faso
**Organisation** : Consortum d'Associations (Associations, ONG, Chambres Consulaires et collectivité)

**Part of a consortium :** Oui
**Consortium complete and eligible :** Non
**Other partners from** : Burkina Faso

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : l'intégration des services climat, protection écosystèmes, préservation de ressources en eau, régénération naturelle
**Tentative title of research project** : Projet de résilience écologique par la protection des berges et des terres
**Tentative project summary** : Ce projet vise à restaurer et protéger les écosystèmes dégradés à travers la mise en œuvre d'actions concrètes telles que la mise en défens des zones sensibles, la protection des berges et l'application de techniques de Conservation des Eaux et des Sols/ Défense et Restauration des Sols (CES/DRS). L'objectif est de lutter contre l'érosion, améliorer la résilience des sols, préserver les ressources en eau et favoriser la régénération naturelle de la végétation. Le projet va adopter une approche participative en impliquant et responsabilisant les communautés locales dans la gestion durable des ressources naturelles, contribuant ainsi à la sécurité alimentaire et l'adaptation aux changements climatiques.
**Research area** : BURKINA FASO

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Non
**One or more european partners** : Oui
**Partner profile searched** : institution ou ONG de l'union européen expérimenté et répondant aux critères de l'appel à projet
**Will ask funds to** : Baque Africaine de Développement

**ILBOUDO OMER JEANIN WENDKAATO**

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**Represent team from** : Africa
**Country** : Burkina Faso
**Organisation** : Association Songtaaba pour le Développement ASTD

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Burkina Faso

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Alerte, Entrepreneuriat Vert,Gestion des déchets,prevention
**Tentative title of research project** : PROJET YOLEMDE
**Tentative project summary** : Le projet YOLEMDE s'intègre parfaitement dans ces trois thématiques liées aux services climatiques au Burkina Faso. Voici comment il contribue à chacune d'elles:
Thème 1: Améliorer les systèmes d'alerte précoce
Le projet YOLEMDE, axé sur la gestion des déchets et la production d'engrais organiques, joue un rôle indirect mais important dans les systèmes d'alerte précoce. En optimisant l'usage des déchets biodégradables et en limitant la pollution due aux déchets non traités, il aide à prévenir certaines catastrophes environnementales, comme les inondations urbaines causées par l'obstruction des canaux de drainage. De plus, l'engagement du projet dans une éducation environnementale permet aux communautés locales d'être mieux préparées aux défis climatiques et de répondre plus efficacement aux alertes de crise.
Thème 2: Améliorer l'évaluation opérationnelle et la prévention des risques liés à la sécurité climatique
Le projet YOLEMDE contribue à la sécurité climatique* en réduisant la dépendance aux engrais chimiques qui peuvent appauvrir les sols et perturber l'équilibre écologique à long terme. En promouvant des pratiques agricoles plus durables, il aide les agriculteurs à mieux gérer les risques liés à la dégradation des terres et aux changements climatiques. En outre, en favorisant une meilleure gestion des déchets, le projet lutte contre la pollution et les maladies liées à la mauvaise gestion des ordures, améliorant ainsi la qualité de vie des populations locales.
Thème 3: Améliorer le mécanisme de financement et l'intégration institutionnelle des services climatiques
YOLEMDE s'inscrit dans une démarche d' économie circulaire, qui peut attirer des investissements publics et privés pour renforcer son impact. Le projet pourrait bénéficier de mécanismes de financement climat, tels que des subventions gouvernementales, des *fonds internationaux pour l'environnement, ou encore des partenariats avec des entreprises soucieuses de leur responsabilité environnementale. En intégrant une approche institutionnelle qui favorise la collaboration entre les collectivités locales, les entreprises et les ONG, YOLEMDE pourrait contribuer à une meilleure intégration des services climatiques dans la politique environnementale du Burkina Faso.

En résumé, le projet YOLEMDE ne se limite pas à la gestion des déchets; il s'inscrit dans une *vision plus large* de résilience climatique, de développement durable et d'innovation écologique. C'est une initiative qui pourrait jouer un rôle clé dans l'évolution des politiques environnementales au Burkina Faso. Parfait, approfondissons les trois thématiques en lien avec le projet YOLEMDE au Burkina Faso, en illustrant comment ce projet peut servir de levier de transformation durable:

1. Systèmes d'alerte précoce

Le projet YOLEMDE, bien que centré sur les déchets et l'agriculture durable, participe indirectement à l'amélioration des systèmes d'alerte précoce par:

- La réduction des déchets dans les zones urbaines, ce qui diminue le risque d'inondations liées au mauvais drainage.
- La sensibilisation communautaire à l'environnement, qui rend les citoyens plus réactifs aux alertes météorologiques ou sanitaires.
- La promotion de bonnes pratiques agricoles, qui rend les producteurs plus résilients face aux aléas climatiques.

2. Évaluation opérationnelle et prévention des risques liés à la sécurité climatique

YOLEMDE renforce la sécurité climatique par:

- La *valorisation des déchets organiques* en engrais naturels, réduisant l'usage de produits chimiques nuisibles aux sols et à la santé.
- L'amélioration de la fertilité des terres, ce qui aide à prévenir la désertification.
- La réduction des émissions de gaz à effet de serre, grâce à une meilleure gestion des déchets et à la baisse des intrants chimiques industriels.

3. Financement et intégration institutionnelle des services climatiques

Ce projet crée un cadre propice à:

- La mobilisation de financements climatiques(fonds verts, mécanismes de développement propre, partenaires techniques).
- Une coopération interinstitutionnelle: ONG, municipalités, coopératives agricoles, entreprises privées.
- La création d'un modèle économique durable, en s'appuyant sur l'économie circulaire, les emplois verts, et le développement inclusif.

En résumé, YOLEMDE incarne un modèle de résilience climatique locale, alliant écologie, innovation sociale, inclusion économique et gouvernance partagée. Un projet comme celui-ci pourrait même inspirer des politiques publiques à l'échelle nationale.

**Research area** : Burkina Faso

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : Bailleur de fond, Institution internationaux,Expertise
**Will ask funds to** : UICN, FOND VERT CLIMAT ETC...

## France

**Kpanou Marc**

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**Represent team from** : européenne
**Country** : Je reside en France (mais je suis originaire du Bénin)
**Organisation** : Predict X'rain

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : Précipitations extrêmes, prédiction, précurseurs atmosphériques/océaniques, Afrique de l'ouest
**Tentative title of research project** : Prédiction des occurrences des précipitations extrêmes en Afrique de l'ouest
**Tentative project summary** : Mon projet a pour but de prédire l'occurrence des précipitations extrêmes en Afrique de l'ouest. La prédiction est fondée sur la détection des précurseurs atmosphériques et/ou océaniques associées aux précipitations extrêmes.
**Research area** : Nigeria, Bénin, Togo, Ghana, Côte d'Ivoire et pays saheliens

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Centre de recherche sur le climat tropicale
**Will ask funds to** :

**SINSIN Tudal**

**Name** : SINSIN Tudal
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**Represent team from** : africaine
**Country** : France
**Organisation** : Altereo

**Part of a consortium :** Oui
**Consortium complete and eligible :** Non
**Other partners from** : France - Bénin - Togo

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : Système d'observation – Modélisation participative – Prospective – Risques climatiques – Résilience & Adaptation
**Tentative title of research project** : SOOP-TERRACLIM
**Tentative project summary** : Ce projet de R&D vise à développer un outil de modélisation spatiale intégré et participatif, dynamique et prédictive permettant d'identifier, visualiser et anticiper les effets de l'artificialisation des sols sur les services écosystémiques, les risques climatiques (inondation, îlots de chaleur), et les vulnérabilités sociales dans les villes et périphéries d'Afrique de l'Ouest, afin d'orienter les décisions d'aménagement vers des trajectoires de résilience.
L'outil s'inscrit dans une logique d'aide à la décision multi-acteurs, pour soutenir les politiques de planification urbaine durable, la prévention des risques sécuritaires liés au climat (inondations, conflits d'usage, migrations forcées), et l'intégration des services climatiques dans les systèmes territoriaux.
**Research area** : Bénin - Togo

**SEARCHING FOR**

**Consortium to join** : Non
**One or more african partners** : Oui
**One or more european partners** : Non
**Partner profile searched** : Nous sommes un consortium de recherche d'institution France, Bénin et Togo. Notre consortium regroupe des compétences en modélisation spatiale, gestion des ressources naturelles eaux et forêts, gestion des eaux pluviale et
Nous recherchons,
- Une expertise en climatologie capable avec son équipe de porter des travaux d'installation de capteur hydro-climatiques au sol et la collecte de données terrain
- Une expertise en modélisation 3D avec la capacité de collecter les données d'occupation du sol par Drones au bénin et au Togo
- Une expertise en sociologie pour analyser la vulnérabilité sociale au changement climatique au Bénin et au Togo

- Une expertise en économique pour monter des fiches projets finançables pour l'opérationnalisation de scénarios géo prospectifs

**Will ask funds to** : ANR

**Duvallet Mathilde**

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**Represent team from** : européenne
**Country** : France
**Organisation** : finres

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Non
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : diagnostiques vulnérabilité, aide à la décision, adaptation, financement
**Tentative title of research project** : Diagadapt
**Tentative project summary** : Nous souhaitons candidater à cet appel à projet afin de réaliser des diagnostic de la vulnérabilité des systèmes alimentaires locaux et la projection des risques de production au niveau national, dans le cadre de différents scénarios climatiques et avec des pratiques d'adaptation (par exemple, le paillage, l'agroforesterie, l'ombrage). Les résultats de ces diagnostics pourraient guider les décisions d'investissement dans des stratégies d'adaptation agricole au niveau de l'exploitation par le biais de microcrédits et d'assurances et aider à la conception de politiques publiques pour la promotion de l'adaptation au niveau national. Finres est une start-up fintech française qui vise à soutenir l'amélioration de la résilience climatique dans l'agriculture en rendant les données disponibles pour éclairer les décisions sur les risques climatiques agricoles. Nous disposons notamment d'un modèle de prévision de l'adéquation des cultures au climat et de modèles de simulation du rendement des cultures en fonction des variables climatiques et pédologiques.
**Research area** : Côte d'Ivoire et au moins un autre pays ouest africain

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Organismes de recherche publics (agronomes, économistes, climatologues, sociologues, data scientist)
Institutions de microfinance
Associations locales de producteurs
**Will ask funds to** : ANR, BMFTR

**Le Grix Cécile**

**Name** : Le Grix Cécile
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**Represent team from** : européenne
**Country** : France
**Organisation** : Groupe URD

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : hydrologie, adaptation, gestion des risques
**Tentative title of research project** : Comment les INGOs peuvent-elles se positionner dans les contextes où l'adaptation in situ n'est plus viable ?
**Tentative project summary** : Quelques pistes de travail qui peuvent évoluer :
1) Combiner données climatiques, socio-économiques et politiques pour identifier les futures « zones de rupture ».
2)Identifier des critères éthiques et politiques pour arbitrer entre adaptation locale et relocalisation planifiée.
3) Dans le cas de la relocalisation planifiée :
- Identifier les leviers politiques et juridiques à mobiliser par les INGOs dans ce domaine
- Proposer des grilles d'analyse pour documenter les pertes non économiques (pertes sociales, symboliques et culturelles) dues aux changements climatiques et à la relocation
- Expérimenter des dispositifs de réparation communautaire ou de soutien psychosocial à long terme.
- Explorer comment intégrer ces outils aux futurs mécanismes du Fonds « pertes et dommages »
- Développer des cadres de planification de la relocalisation incluant la participation locale.
- Étudier les conditions d'une mobilité choisie, sécurisée, et culturellement accompagnée.
Cela pourrait aussi porter sur les enjeux climatiques/hydrologiques, ou les liens entre services publics de prévision/gestion des risques hydrologiques et actions citoyennes, surtout entre zones éloignées.
**Research area** : Sénégal, Guinée Bissau, autres selon opportunités de collaboration

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Non
**Partner profile searched** : Organismes de recherche, ONG, universités
**Will ask funds to** : ANR

**Kpanou Marc**

**Name** : Kpanou Marc
**Contact** : mackpanou@yahoo.fr
**Represent team from** : européenne
**Country** : France (je suis originaire du Bénin)
**Organisation** : Predict X'rain

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : Précipitations extrêmes, précurseurs, intelligence artificielle, Afrique de l'ouest
**Tentative title of research project** : Prédiction des précipitations extrêmes en Afrique de l'ouest
**Tentative project summary** : Mon projet a pour but de réaliser des prédictions d'occurance des précipitations extrêmes en Afrique de l'ouest. Cette prédiction est basée sur la détection des précurseurs (atmosphériques/océaniques) qui sont observés 2 à 5 jours avant l'occurrence de l'événement pluvieux extrême.
Ainsi, il est question de créer un modèle de prédiction des phénomènes extrêmes à l'aide de l'intelligence Artificielle qui pourra s'appuyer sur la détection des précurseurs associés aux précipitations extrêmes.
**Research area** : Nigeria, Bénin, Togo, Ghana, Côte d'Ivoire et pays du sahel

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : - Institut (centre) universitaire de recherche sur le climat tropicale,
- services météorologiques/climatiques des pays ouest-africains.
**Will ask funds to** :

## Gambia

**Dr Sheriff Ceesay**

**Name** : Dr Sheriff Ceesay
**Contact** : sheriffceesay@gambiacollege.edu.gm
**Represent team from** : Africa
**Country** : Gambia
**Organisation** : Gambia College

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : weather-index insurance, carbon credit, climate services
**Tentative title of research project** : Digital Finance Innovations for Sustainable Climate Services in West Africa
**Tentative project summary** : This project aims to design and pilot innovative financing models such as weather-index insurance, carbon credit systems, and mobile microfinance solutions to support sustainable climate services. It will also assess institutional barriers and propose policy frameworks for integrating climate services into national and regional development plans. Specifically, it will develop and test weather-index insurance schemes, carbon credit market access pathways, and mobile-based microfinance tailored to farmers, fishers, and vulnerable groups in Senegal and The Gambia.
**Research area** : The Gambia

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : The School of Agriculture at The Gambia College, based in Brikama, is a leading public tertiary institution committed to advancing agricultural education and rural development. It offers both pre-service and in-service training to a diverse group of learners, including school leavers, government personnel, NGO staff, and private sector stakeholders. Its flagship program, the Higher National Diploma in Agriculture, equips students with practical and theoretical knowledge in crop and animal production, preparing them for impactful roles in the agricultural sector. A key strength of the school lies in its active engagement with farming communities through agricultural extension services. These outreach efforts support national food security goals and empower rural populations with sustainable farming techniques. The school also hosts regular workshops and seminars on emerging agricultural technologies and best practices,

fostering a culture of continuous learning and innovation. Central to its academic and outreach mission is the Directorate of Research and Development, which plays a pivotal role in driving applied research and curriculum innovation. The Directorate supports faculty and student-led research projects that address local agricultural challenges, such as climate resilience, soil health, and post-harvest management. It also facilitates partnerships with national and international institutions to enhance the quality and relevance of agricultural education. Through this Directorate, the School contributes to evidence-based policy development and the integration of research findings into teaching and community programs. The School of Agriculture prioritises collaboration in areas such as sustainable agriculture curriculum development, capacity building for extension workers, digital learning tools for agricultural training, and joint research initiatives. It also welcomes partnerships that offer student internships, faculty exchanges, and institutional strengthening to further its mission of transforming agriculture through education and innovation.

**Will ask funds to** :

## Germany

**Anna Thoms**

**Name** : Anna Thoms
**Contact** : thoms@isah.uni-hannover.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : Institute of Sanitary Engineering and Waste Management, Leibniz University Hannover

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Rainwater, Water Supply, Water Availability, Smart Cities, Decentralized Water Management, Prevention against extrem weather conditions
**Tentative title of research project** : RainWaterCycle
**Tentative project summary** : Development, implementation, and testing of an integrative "RainWaterCycle" for climate-adapted rainwater utilisation to sustainably strengthen the water supply in West African cities, through the use of smart technologies. The concept combines flood prevention and efficient rainwater harvesting to provide quality-assured water and the creation of cooling zones on public spaces (e.g. school campuses, market areas).
(see previous study: Thoms, A.; Köster, S. Potentials for Sponge City Implementation in Sub-Saharan Africa. Sustainability 2022, 14, 11726. https://doi.org/10.3390/su141811726)
**Research area** : Ghana, Burkina Faso, Côte d'Ivoire

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Universities (Sanitary Engineering, Water Managment, KI); public/educational institutions (e.g. schools, market places); industry (sensor technologies, pumps, intelligent control systems))
**Will ask funds to** : BMFTR

**Kerstin Hartsch**

**Name** : Kerstin Hartsch
**Contact** : Kerstin.Hartsch@iproconsult.com
**Represent team from** : Europe
**Country** : Germany
**Organisation** : IPROconsult

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : soil erosion, flood, risk management, decision support, capacity building
**Tentative title of research project** : Digital Information Services for Soil Erosion Risk Management in agriculture and/or infrastructure
**Tentative project summary** : Our expertise is focused on risk management of soil erosion during heavy rainfall, particularly for agriculture, infrastructure and rural and urban areas. This includes erosion risk analysis and planning of preventive measures (incl. nature-based solutions) for erosion protection using process-based soil erosion modeling. For this, innovative solutions are to be developed as a digital information service using, i.e., remote sensing data for needs-based decision support.
In addition, we have in-depth social science expertise and comprehensive skills in individual and institutional capacity development, tailored to the needs of target groups and partner organizations, based on our long-standing experience in planning and advising German and international development cooperation projects (GIZ, UNDP, World Bank) in the areas of climate adaptation, environment and biodiversity in West Africa and the Maghreb.
**Research area** : still open

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Research institution
**Will ask funds to** : German Ministry of Research (BMFTR)

**Maina Friedel**

**Name** : Maina Friedel
**Contact** : marina.friedel@uni-leipzig.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : Leipzig University

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : large-scale dynamics, constraining climate projections, seasonal predictions
**Tentative title of research project** : Using process understanding of large-scale dynamics to improve seasonal predictions and long-term climate projections
**Tentative project summary** :
**Research area** :

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : academic research, climate services
**Will ask funds to** :

**Carlos Böke Pascual**

**Name** : Carlos Böke Pascual
**Contact** : carlos.boeke@tum.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : Technical University of Munich - Chair of Agricultural Production and Resource Economics

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : N/A
**Tentative title of research project** : N/A
**Tentative project summary** : We have no predefined project proposal, but we are interested in forming a consortium and developing a project based on research interests of the partners involved.
**Research area** : Open to all countries within the scope of the project

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : All
**Will ask funds to** :

**Nazmul Huq**

**Name** : Nazmul Huq
**Contact** : nazmul.huq@th-koeln.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : University of Applied Sciences, Cologne

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Ghana

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Early warning systems (EWS), Local government, disaster risk reduction, knowledge management, urban
**Tentative title of research project** : Co-Designing Local Early Warning Ecosystems
**Tentative project summary** : The project aims to strengthen early warning systems (EWS) in West Africa by developing an interdisciplinary facilitation ecosystem that connects scientific knowledge, policy processes, and local implementation. The project does not aim to build new technical platforms, but rather to enable integration and uptake of existing tools and services by building institutional bridges, fostering co-creation, and addressing key coordination and communication gaps across sectors.
**Research area** : Ghana, Nigeria, Mali, Burkina Faso, Senegal or any other west African counties

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Applied Research University of Germany with a focus of interdisciplinary action research on capacity building, urban DRR, data driven decision making, and climate policy making ( https://www.th-koeln.de/raumentwicklung-und-infrastruktursysteme/institut-fuer-technologie--und-ressourcenmanagement-in-den-tropen-und-subtropen-itt_106929.php)
**Will ask funds to** : Germany, Ghana

**Jürgen Kusche**

**Name** : Jürgen Kusche
**Contact** : kusche@uni-bonn.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : University of Bonn

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : GRACE TWSA, forecasts, data assimilation
**Tentative title of research project** : Implement GRACE TWSA forecasts within EWS
**Tentative project summary** : We've developed GRACE TWSA forecasts (up to annual) in our group in the past, they can be downloaded from our website and evaluated. We have also demonstrated the assimilation of GRACE TWSA data into hydrological models, for downscaling and disaggregation. This is very helpful in drought indicator development. I foresee this to be very useful in EWS.
**Research area** : This could focus on any WA country, or the entire region

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : Early warning systems
**Will ask funds to** : BMFTR

**Preisach Christine**

**Name** : Preisach Christine
**Contact** : christine.preisach@h-ka.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : University of Applied Sciences Karlsruhe

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : AI, Climate adaptation, warning system, remote sensing, sensor data
**Tentative title of research project** : AI-based Climate Adaptation System using Remote Sensing and Sensor Data
**Tentative project summary** : The aim of the project is to implement an intelligent and easy-to-use climate adaptation system. Therefore all data sources (sensor, remote sensing, climate data, etc.) will be integrated into a digital twin of the respective region. The aim is also to enable local authorities to add new data sources and components independently via a graphical interface without IT expertise. In a first step, applications from the areas of urban development, blue-green infrastructure and climate-related health impacts are being implemented.Particular attention is being paid to the development of explainable and reliable AI and hybrid models that offer recommendations and predictions on climate related issues. The digital twin and the AI-modells provide the possibility for simulations and what-if scenarios. The local partner should be enabled to use and enhance the system with other data and expertise.
**Research area** : Benin, Burkina Faso, Cape Verde, The Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : NGO, african reasearch institute (knowledge about local situation)
**Will ask funds to** : BMFTR

**Lars Holstenkamp**

**Name** : Lars Holstenkamp
**Contact** : lars.holstenkamp@ecolog-institut.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : ECOLOG Institute for Social-Ecological Research and Education

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Risk communication, Target group analysis, Governance, Financing
**Tentative title of research project** : no consortium yet
**Tentative project summary** : Our expertise:
- Risk communication, target group specific communication (working with social milieu models)
- Financing & governance of transition processes
**Research area** : References in Ghana, but open to other Western African countries

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : (we want to join a consortium)
**Will ask funds to** : BMFTR

**Zeyd Boukhers**

**Name** : Zeyd Boukhers
**Contact** : zeyd.boukhers@fit.fraunhofer.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : Fraunhofer Institute for Applied Information Technology - FIT

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Drought early warning; AI agricultural forecasting; Climate-smart agriculture; Multimodal data fusion; West Africa climate services
**Tentative title of research project** : AI-Enhanced Drought Early Warning for West African Agriculture
**Tentative project summary** : We're developing an AI-powered platform to provide seasonal drought forecasts for smallholder farmers in West Africa. The system integrates satellite data, weather observations, and ground sensors through advanced data management and machine learning to deliver 3-6 month agricultural planning alerts.
Our expertise: AI/ML, knowledge graphs, multimodal data fusion, FAIR data management, distributed analytics, geospatial platforms.
Seeking partners:
- West African meteorological services
- Agricultural research institutions
- Universities with climate/agriculture expertise
- NGOs working with farming communities
- Organisations with regional stakeholder networks
**Research area** : Ghana + Côte d'Ivoire + Nigeria

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : West African meteorological services, agricultural research institutions, and universities with climate science expertise; NGOs with farmer networks and community engagement experience in Ghana, Burkina Faso, or Senegal; European research institutes specializing in climate forecasting, agricultural modeling, geospatial/remote sensing, meteorological data management, stakeholder engagement, and policy interfaces for decision support systems.
**Will ask funds to** : BMFTR

**Lisa Reudenbach**

**Name** : Lisa Reudenbach
**Contact** : lisa.reudenbach@hcu-hamburg.de
**Represent team from** : Europe
**Country** : Germany
**Organisation** : HafenCity University Hamburg / CityScienceLab

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : potentially Sierra Leone and Senegal (but open for others)

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : informal settlements, community knowledge, earth observation, vulnerability assessments, disaster risk reduction
**Tentative title of research project** : Co-creating resilient futures through local knowledge and earth observation (something around those lines)
**Tentative project summary** : We would like to work around the following questions, but are open for other ideas:
1. How can local community knowledge be integrated with insights derived from Earth Observation data to support the identification and prioritization of vulnerable communities and ultimately enhance community resilience and disaster risk reduction?
2. What kind of knowledge, methods and capacity is needed for communities to champion data-driven disaster risk reduction?
**Research area** : potentially Sierra Leone and Senegal, but open for others

**SEARCHING FOR**

**Consortium to join** : No
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : We are looking for a partner (European or West African) that is based in West Africa and able to take on the project coordinator role.
**Will ask funds to** :

## Ghana

**Kwabena Fosu-Amankwah**

**Name** : Kwabena Fosu-Amankwah
**Contact** : kfosuamankwah@cktutas.edu.gh
**Represent team from** : Africa
**Country** : Ghana
**Organisation** : C. K. Tedam University of Technology and Applied Sciences

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Ghana

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : food security, climate, soil moisture, soil temperature, Mobile App
**Tentative title of research project** : Enhancing Operational Assessment and Prevention of Climate Security Risks in the Upper East Region of Ghana
**Tentative project summary** : The Upper East Region of Ghana is one of the most drought-affected areas in the country. The persistent lack of adequate rainfall has significant impacts on agriculture, food security, public health, climate resilience, and, in some cases, contributes to local conflicts. This proposed project aims to leverage multiple datasets—including spaceborne sources (e.g., GRACE, SMAP), ground-based stations, and in-situ measurements—combined with machine learning techniques to develop an early warning system. The system will be accessible through a dashboard and mobile applications, providing timely drought-related information to local farmers and communities in the region. The broader objective of the project is to lay the foundation for establishing an Applied Meteorology and Aerosol Science program within the Department of Applied Physics at C. K. Tedam University of Technology and Applied Sciences. This initiative will support capacity development in climate services aimed at reducing climate-related risks in Northern Ghana.
**Research area** : Ghana

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : Academic institution, climate scientist, data analyst, expert in meteorological instrumentation, IoT expert
**Will ask funds to** : French National Research Agency (ANR) and German DLR Projektträger (DLR-PT)

## Ezekiel Acquaah

**Name** : Ezekiel Acquaah
**Contact** : ekacquaah@ug.edu.gh
**Represent team from** : Africa
**Country** : Ghana
**Organisation** : University of Ghana

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

### PROJECT

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Climate Change, Disaster, Early warning systems, Resilience, Urban
**Tentative title of research project** : Strengthening the climate resilience of urban areas through enhanced early warning systems and capacity building
**Tentative project summary** : This study aims to build climate resilience of urban areas, communities and individuals and to minimize or curb climate related disasters through the enhancement of existing climate early warning systems, development of new climate early warning system and capacity building programs. This has become necessary due to the over populations and increasing economic activities coupled with increasing climate variability, which has made communities, individuals, families and nations very vulnerable to climate related disasters. The study will therefore concentrate on densely populated areas with increasing economic activities as these areas have become vulnerable to climate change related disasters including flooding, firebreaks etc. These disasters always lead to loss of lives and properties with socio-economic impact on individuals, families, nations and the West Africa region as a whole. This study aims to minimize or curb such climate related disaster with the creation of early warning systems and through capacity building
**Research area** : Ghana

### SEARCHING FOR

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : I would like to work with experts from universities or any research institution with backgrounds in climate change management, disaster risk management, technology (AI) backgrounds and resilience creation
**Will ask funds to** :

**Jones Abrefa Danquah**

**Name** : Jones Abrefa Danquah
**Contact** : jones.danquah@ucc.edu.gh
**Represent team from** : Africa
**Country** : Ghana
**Organisation** : University of Cape Coast-Ghana

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Ghana

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Early Warning Systems,Capcity building, disaster risk reduction, agrometeorology
**Tentative title of research project** : Building resilience to climate change-induced disasters through early warning systems and capacity building
**Tentative project summary** : The project seeks to develop flood and drought early warning systems as a means to reduce climate change-induced disasters in urban built-up ecosystems and agricultural landscapes. The drought early warning systems will comprise of network of regional and national partners to share knowledge and coordinate action to enable farmers in the West Africa sub-region to cope with drought. The project will actively conduct hazard mapping, vulnerability and risk assessment in both built-up ecosystems and agricultural landscapes.
The capacities of institutions mandated to be at the forefront of disaster management will be strengthened through training. Short courses will be rolled out on Disaster prevention, mitigation and preparedness. The existing curriculum at the universities that offer programmes in disaster management, particularly at the University of Cape Coast, will be enhanced. Farmers' decision support systems through effective agrometeorological information and communication to smallholder farmers to reduce the impact of climate change-induced hazards and to improve productivity and secure livelihoods. The role of AI in disaster risk reduction will be emphasised.
**Research area** : Ghana

**SEARCHING FOR**

**Consortium to join** : No
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Universities and Research Institutions with expertise in Hyfrology, Agrometeorology , AI, Geographic Information Systems and Remote Sensing
**Will ask funds to** : EU

**Dennis Gookyi**

**Name** : Dennis Gookyi
**Contact** : dennisgookyi@gmail.com
**Represent team from** : Africa
**Country** : Ghana
**Organisation** : CSIR - Institute for Scientific and Technological Information (CSIR-INSTI)

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Togo, France, Ghana

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Water Mapping, Forcasting, Artificial Intelligence, Internet of Things
**Tentative title of research project** : West Africa AI-IoT Water Mapping and Forecasting for Climate Resilience
**Tentative project summary** : West Africa faces critical challenges in water resource management due to a significant lack of comprehensive mapping and monitoring of water sources, particularly groundwater, despite the region's heavy reliance on these resources for agriculture, livestock, and domestic use. This data gap undermines effective planning and management, particularly in the face of increasing demand and climate variability. To address this, the project aims to develop a real-time water intelligence system leveraging Artificial Intelligence (AI), Internet of Things (IoT) sensors, satellite imagery, and citizen science. The system enhances early warning capabilities by providing timely insights into water availability, quality, and trends, enabling predictive modeling to anticipate water-related risks such as droughts, floods, or contamination. It also strengthens the operational assessment and prevention of climate-induced security risks by identifying vulnerabilities associated with water scarcity, degradation of water quality, and climate variability, thereby informing strategies to mitigate resource-driven conflicts and migration. Additionally, the project improves financing mechanisms and institutional integration of climate-related services by empowering policymakers, local authorities, and farmers with interactive dashboards, alerts, and mobile access, while fostering inclusive water stewardship through citizen science. The project addresses immediate water resource challenges and contributes to building a climate-resilient West Africa, aligning with broader objectives for risk reduction and climate adaptation.
**Research area** : West African Countries

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes

**Partner profile searched** : We seek partners with expertise in climate services, disaster risk reduction, and community-based adaptation. Ideal organizations include research institutions, NGOs, NMHSs, and tech providers with experience in climate data, early warning systems, or mobile-based climate information delivery. Prior work in sub-Saharan Africa, especially with vulnerable communities, and a strong focus on gender and inclusion is preferred.
**Will ask funds to** :

**Stephen Yeboah**

**Name** : Stephen Yeboah
**Contact** : proyeboah@yahoo.co.uk
**Represent team from** : Africa
**Country** : Ghana
**Organisation** : Council for Scientific and Industrial Research (CSIR)-Crops Research Institute (CRI)

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Not applicable

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Crop insurance, weather index insurance, smallholder, digital platforms, Agriculture
**Tentative title of research project** : Digital agro-climate advisories and weather index insurance for building resilience in Smallholder Farming
**Tentative project summary** : Develop and disseminate digital platforms for disseminating climate information services, provide agro-advisories and build robust weather index crop insurance to build resileince of smallholder farming communities in Ghana.
**Research area** : Ghana

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : Risk reduction experts, crop scientist, modelling and insurance expertise
**Will ask funds to** :

## Italy

**Abdel Ganir Njikatoufon**

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**Represent team from** : Europe
**Country** : Italy
**Organisation** : University of Genoa

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Italy

**PROJECT**
**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Co-Design, Multi-Hazard Early Warning, Climate-Resilient Infrastructure,Localised Climate Intelligence, Equity & Institutional Uptake
**Tentative title of research project** : CLIM-LEAD – Localised Climate Intelligence & Multi-level Early Action for Adaptive Development in West Africa
**Tentative project summary** : The overarching objective of CLIM-LEAD is to co-design, pilot, and institutionalize a new generation of localized, inclusive, and operational climate services that strengthen adaptive capacity and climate risk reduction across key systems in West Africa, with special focus on energy infrastructures, urban mobility, and vulnerable communities.
The project responds to the urgent need to improve multi-hazard preparedness and resilience in the face of increasing climate-related disruptions to critical services, such as electricity supply, transport access, and emergency response.
CLIM-LEAD will deliver tangible and scalable impacts by making climate services a core tool for risk reduction, infrastructure governance, and service continuity in West Africa. The project targets the intersection of climate resilience, energy access, and urban mobility, ensuring that vulnerable populations, institutions, and service providers benefit from operational innovations.
**Research area** : Ghana, Cape Verde, Senegal, Ivory Coast, The Gambia, Capo Verde, Costa d'Avorio

**SEARCHING FOR**
**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** :
In Africa we are searching for:
- African research institution with expertise in climate modeling, risk governance, and infrastructure studies. This institution will host the central coordination unit and lead the scientific Work Package on early warning systems. It will also supervise the integration of local knowledge and coordinate training activities across the three pilot countries;

- National meteorological agencies and disaster risk management authorities that will serve as key implementing partners for early warning systems and risk modeling;
- Energy and infrastructure authorities, municipal planning departments, and mobility agencies;
- African technical universities and innovation hubs contributing to EO/AI analysis, open-source platform development, and applied research on climate-resilient infrastructure and transport.
European partners will include universities, climate service developers, infrastructure researchers, and SMEs specialized in Earth Observation, AI-based modeling, and open-access platforms, socioeconomic impact analysis.
Their role is to:
• Support the integration of advanced technology into service co-design;
• Facilitate comparative research and replication pathways;
• Ensure quality assurance and knowledge dissemination across Africa and the EU. European partners with expertise in energy transition, smart mobility, and infrastructure vulnerability assessment will support local counterparts in developing and testing tools adapted to the African context.

European partners will include universities, climate service developers, infrastructure researchers, and SMEs specialized in Earth Observation, AI-based modeling, and open-access platforms, socioeconomic impact analysis.
Their role is to:
• Support the integration of advanced technology into service co-design;
• Facilitate comparative research and replication pathways;
• Ensure quality assurance and knowledge dissemination across Africa and the EU. European partners with expertise in energy transition, smart mobility, and infrastructure vulnerability assessment will support local counterparts in developing and testing tools adapted to the African context. The project will be coordinated by a leading African research institution with expertise in climate modeling, risk governance, and infrastructure studies. This institution will host the central coordination unit and lead the scientific Work Package on early warning systems. It will also supervise the integration of local knowledge and coordinate training activities across the three pilot countries. African leadership will be further reinforced through:
• National meteorological agencies and disaster risk management authorities serving as key implementing partners for early warning systems and risk modeling;
• Energy and infrastructure authorities, municipal planning departments, and mobility agencies in pilot cities co-leading the design and operationalization of climate services;
• African technical universities and innovation hubs contributing to EO/AI analysis, open-source platform development, and applied research on climate-resilient infrastructure and transport.
**Will ask funds to** : MUR

**Mario a. Pagnotta**

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**Represent team from** : Europe
**Country** : Italia
**Organisation** : Tuscia University

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Italy

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : genetic, tolerance traits, drought, natural base solutions, adaptation
**Tentative title of research project** : Improve adaptation to climatic changes
**Tentative project summary** : Analyse germplasm variants to improve tolerance to abiotic factors. Identify traits and their genetic base to improve crops. Adopt natural base solutions to face climatic changes.
**Research area** : Italy and countries involved in the proposal

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : University, genetics, agronomy
**Will ask funds to** : Italian Ministry of University and research

**Leonardo Bianchini**

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**Country** : Italia
**Organisation** : University of Tuscia

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Occupational safety, Climate change, Agricultural and Forestry workers, Risk mitigation, Early warning systems
**Tentative title of research project** : SAFECLIME: Integrated Strategies for Agricultural and Forest workers' safety in the context of CLIMate change and Extreme event
**Tentative project summary** : Climate change is significantly transforming working conditions in the agriculture and forestry sectors. The increasing frequency and intensity of extreme events, such as heatwaves, windstorms, and heavy rainfall, are exposing workers to new physical and organizational risks. It is therefore increasingly urgent to promote integrated approaches that combine occupational health and safety with climate adaptation and mitigation strategies. In this context, the use of microclimate monitoring systems, early warning tools, improved work organization, and the adoption of operational practices suited to changing environmental conditions represent key levers to ensure the continuity of productive activities and protect the workforce.
SAFECLIME aims to develop and test integrated strategies to improve the safety, health, and resilience of agricultural and forestry workers facing the increasing impacts of climate change. The project will combine technological tools, adaptive agroforestry practices, and organizational solutions to address the risks associated with extreme weather events such as heatwaves, heavy rainfall, and windstorms.
Through a collaborative effort between European and African partners, SAFECLIME will promote the adoption of:
- microclimate monitoring systems and early warning tools at farm and territorial level;
- climate-adapted safety protocols and operational best practices;
- resilient organizational models, with attention to gender, inclusiveness, and working conditions.
The overall objective is to create safer and more sustainable working environments, strengthen the adaptive capacity of agricultural and forestry enterprises, and contribute to a just and inclusive transition in regions most vulnerable to climate change.
**Research area** : African partner

**SEARCHING FOR**

**Consortium to join** : Yes

**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : Research institutions and companies

**Filippo Lazzari**

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**Represent team from** : Europe
**Country** : Italia
**Organisation** : University of Tuscia

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Burkina Faso

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Resilience, beekeeping, Mali, agroforestry, farming
**Tentative title of research project** : BIOCLIM in West Africa – Biodiversity Indicators and Organic Circular Livestock Integrated Modules for Climate Resilience
**Tentative project summary** : NAMoS-BIOCLIM is a climate resilience initiative aimed at strengthening rural livelihoods,
increasing circularity and reducing deforestation in West Africa through an integrated agroecological approach. The project builds on the NAMoS (Natural Agroforestry Module System) prototype currently implemented in Mali. The system combines agroforestry, beekeeping, and small-scale animal farming with environmental monitoring to promote climate-smart landscapes.
**Research area** : Mali

**SEARCHING FOR**

**Consortium to join** : No
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : university, beekeeping or small animal farming (rabbit)
**Will ask funds to** :

**Luca Trapin**

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**Represent team from** : Europe
**Country** : Italy
**Organisation** : University of Bologna

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Extreme Value Theory; Dynamic Extreme Value Models; AI for Extreme Risk Forecasting; Early Warning Systems
**Tentative title of research project** : Dynamic Extreme Value Analytics for Early Warning and Climate Security in West Africa
**Tentative project summary** : Climate-related extreme events, such as floods, droughts, and heatwaves, are intensifying across West Africa, posing growing threats to food security, health systems, infrastructure, and livelihoods. Effective early warning systems are a critical tool for managing these risks, but in many regions they remain limited in scope and accuracy.
This project aims to design innovative, user-oriented solutions to strengthen early warning and climate risk management across the region. The core idea is to apply dynamic extreme value models to capture evolving tail risks in climate variables, such as precipitation and temperature, at high-frequency resolution. These models offer an important advantage: they dynamically estimate the intensity and frequency of extreme events without relying on extensive covariate data, making them well-suited for the West African context. By integrating these models with AI techniques, we will also address the challenge of limited to infer spatio-temporal risk patterns, and improve short-term forecasts. Particular emphasis will be placed on applications such as early flood alerts in urban areas, heatwave forecasting for public health, and anticipatory drought indicators to support farmers and water resource managers.
In parallel, the initiative will promote long-term capacity building through workshops focused on dynamic EVT and AI methods for forecasting, as well as joint development of climate security indicators and communication protocols tailored to local priorities.
This proposal aligns with the three strategic pillars of the CS4RRA initiative " Knowledge, Capacity Development, and Innovation in West Africa" by combining methodological advances with practical implementation. It builds on recent research in high-frequency extreme value modeling and seeks to transform those insights into tangible, locally grounded solutions for climate resilience across West Africa.

**Research area** : All the 16 West African countries, as given in the United Nations definition (Benin, Burkina Faso, Cape Verde, The Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo) are suited

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : Type of Organization: universities, meteorological agencies, or disaster risk authorities. Expertises: Climate sciences or environmental statistics
**Will ask funds to** : Ministero dell'Università e della Ricerca (MUR) - IT

## Ivory Coast

**Yapi Ahoua**

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**Represent team from** : africaine
**Country** : Cote d'Ivoire
**Organisation** : Universite Felix Houphouet-Boigny

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** :
**Tentative title of research project** :
**Tentative project summary** :
**Research area** :

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** :
**Will ask funds to** :

**Theodore N. Djeni**

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**Represent team from** : africaine
**Country** : Côte d'Ivoire
**Organisation** : Université Nangui ABROGOUA

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : Déchets, biotechnologie, Resilience climatique, emplois
**Tentative title of research project** : BIOCLIM-WASTE : Valorisation des déchets organiques pour la résilience climatique en Afrique de l'Ouest
**Tentative project summary** : Face aux défis climatiques croissants en Afrique de l'Ouest, BIOCLIM-WASTE propose une solution innovante qui transforme un problème en opportunité. Notre projet valorise les 50 millions de tonnes de déchets organiques produits annuellement dans la région pour créer un écosystème intégré de services climatiques, d'énergie propre et de sécurité alimentaire.
En combinant nos savoirs traditionnels avec les biotechnologies modernes, nous développons des systèmes d'alerte précoce basés sur l'activité microbienne des déchets organiques, tout en créant des emplois verts et des revenus durables pour nos communautés.
**Research area** : Côte d'ivoire

**SEARCHING FOR**

**Consortium to join** : Non
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Les organisation recherchée peuvent être des Institutions d'enseigenement supérieur et de recherche, des ONG, des coopératives de producteurs avec des expertises suivantes:

- Modélisation climatique régionale et formation des climatologues
- Validation scientifique des services climatiques hyperlocaux
- Recherche agricole et engagement communautaire
- Test et validation des biofertilisants sur cultures locales
- Formation des biotechnologistes ouest-africains
- Partenaire opérationnel pour l'implémentation communautaire
- Expertise en gouvernance coopérative et autonomisation économique
- Technologies IoT et capteurs adaptés aux conditions tropicales
- Évaluation d'impact socio-économique et politique publique
- Connexion aux réseaux internationaux de recherche agricole

- Développement des mécanismes de financement climatique
- Accès aux marchés carbone internationaux

**Will ask funds to** : FONSTI

**KOUADIO KONAN ARISTIDE**

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**Represent team from** : africaine
**Country** : Côte d'Ivoire
**Organisation** : CEA-GROUPE S.A

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : Services climatiques communautaires; Agriculture intelligente face au climat; Systèmes d'alerte précoce; Recherche participative; Résilience des producteurs agricoles
**Tentative title of research project** : AGRI-CLIMAT : Co-construction de services climatiques communautaires pour l'adoption de pratiques agricoles intelligentes face au climat
**Tentative project summary** : Le projet AGRI-CLIMAT vise à renforcer la résilience des petits producteurs agricoles face au changement climatique en Afrique de l'Ouest, en co-développant des services climatiques communautaires simples, accessibles et fondés sur des connaissances scientifiques et locales. Mis en œuvre dans trois zones agroécologiques rurales de Côte d'Ivoire, le projet adopte une approche transdisciplinaire et participative pour améliorer la planification agricole, réduire les risques liés aux aléas climatiques (sécheresse, pluies extrêmes, vagues de chaleur) et promouvoir l'agriculture intelligente face au climat.
Le projet comporte quatre axes principaux :
1. Une cartographie participative des vulnérabilités agroclimatiques locales, croisant données scientifiques et savoirs endogènes ;
2. Le développement et le test d'un système d'alerte agroclimatique multicanal (SMS, radios communautaires) adapté aux besoins des producteurs ;
3. L'évaluation de l'impact des services climatiques sur les pratiques agricoles, les rendements, et la prise de décision des producteurs ;
4. La valorisation scientifique et institutionnelle des résultats à travers des publications, ateliers multi-acteurs et recommandations politiques.

**Research area** : Côte d'Ivoire

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Partenaire européen :
Compétences attendues :
- Participation à des projets européens sur le climat ou la résilience

- Réseau actif dans les mécanismes de coopération Afrique-Europe
- Intérêt pour le travail en contexte africain et approche Sud-Nord équitable

Partenaires scientifiques / académiques (Afrique de l'ouest & Europe) :
Type : Universités, centres de recherche, instituts techniques, laboratoires.
Compétences attendues :

- Apport méthodologique, appui à la Co-construction des services climatiques nationaux ou internationaux
- Études d'impact, modélisation climatique, systèmes d'alerte
- Formation, encadrement, production scientifique
- Expertise scientifique confirmée dans au moins un des axes du projet

Partenaires institutionnels ou décideurs :
Type : Agences météorologiques, ministères, plateformes nationales d'adaptation, etc.
Compétences attendues :

- Faciliter l'intégration des services climatiques dans les politiques publiques
- Accompagner l'appropriation institutionnelle et la durabilité des résultats
- Capacité de plaidoyer / influence des politiques publiques
- Représentation officielle dans les mécanismes de planification nationale ou régionale

**Will ask funds to** : FONSTI

## Mariam Baba Abdulahi

**Name** : Mariam Baba Abdulahi
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**Represent team from** : Africa
**Country** : Ivory Coast
**Organisation** : Fondation Agriterra

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

### PROJECT

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Farmer organization-led, farmer service center, technical assistance, climate smart agriculture, climate insurance
**Tentative title of research project** : Climate Resilience from the Ground Up: Farmer Organization-Led Service Centers for Risk Reduction in West Africa
**Tentative project summary** : In Côte d'Ivoire, farmer organizations face significant challenges in delivering consistent, tailored climate and agricultural services to their members. The absence of dedicated service structures limits their ability to coordinate timely training, disseminate relevant information, and provide technical support—all of which are essential for building resilience to climate shocks in rural farming communities. As a result, smallholder farmers remain vulnerable to increasingly unpredictable weather patterns and climate-related risks.
Our project proposal seeks to strengthen climate resilience in West African smallholder farming systems by leveraging the institutional power of farmer organizations to lead the delivery of climate services. Through the establishment of cooperative-led Farmer Service Centers (SCs), the project will localize and decentralize early warning systems, technical assistance, and advisory tools that are often disconnected from grassroots needs. Each SC will act as a decentralized hub offering real-time climate information, training in climate-smart agriculture, and pathways to financing and insurance. The project adopts an inclusive, co-designed approach to integrate local knowledge, earth observation data, and digital tools to reduce climate-related risks—particularly drought, flooding, and pest outbreaks. Anchored in farmer networks and supported by transdisciplinary expertise, the initiative will enhance the adaptive capacity of at least 3,000 smallholders while generating a scalable model for policy integration and institutional mainstreaming of user-centered climate services.
**Research area** : Ivory Coast

### SEARCHING FOR

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No

**Partner profile searched** : Agricultural technology (agritech), financial, and insurance institutions, Non-Governmental Organizations (NGOs)
**Will ask funds to** : FONTSI 9Ivory Coast), ANR (France), BMBF/DLR (Germany), BELSPO (Belgium)

## Mali

**Désiré Ballo**

**Name** : Désiré Ballo
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**Represent team from** : africaine
**Country** : Mali
**Organisation** : Mali-Folkecenter Nyetaa

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** : Mali, Burkina Faso, Norvège

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : Services climatiques; Résilience communautaire; Alerte précoce; Adaptation au climat; Innovation sahélienne
**Tentative title of research project** : Alerte Locale et Engagement Résilient pour la Transition Écologique
**Tentative project summary** : Le projet ambitionne de renforcer la résilience climatique et sociale des communautés vulnérables dans deux pays sahéliens – le Mali et le Burkina Faso (de préférence) – en co-développant et en déployant des services climatiques communautaires, intelligents et intégrés, afin de prévenir les risques liés aux aléas climatiques, à la sécurité hydrique et à la pression socio-territoriale.
S'inscrivant dans une démarche transdisciplinaire et multipartite, le projet favorisera la production et l'utilisation de services climatiques localisés (bulletins météo agro-pastoraux, alertes sécheresse/inondation, scénarios de conflits liés à l'eau ou aux cultures), tout en développant des capacités locales d'anticipation, d'adaptation et de gouvernance partagée du climat.
Le projet cible des zones rurales et périurbaines dans les deux pays, aujourd'hui, affectées par des chocs climatiques de plus en plus fréquents et intenses, ainsi que par des tensions sécuritaires. Il mettra l'accent sur l'inclusion des jeunes, des femmes et des collectivités locales, en combinant innovation technologique (capteurs, plateformes digitales) et innovation sociale (clubs climat, formations, dialogues multi-acteurs).
**Research area** : Mali, Burkina Faso

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Institutions de recherche et/ou ONG norvégiennes travaillant sur les questions climatiques
**Will ask funds to** : Agence Norvégienne

## Netherlands

**Nacho Villar**

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**Represent team from** : Europe
**Country** : Netherlands
**Organisation** : Netherlands Institute of Ecology NIOO-KNAW

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : climate-smart ecosystem management; nature-based solutions; biodiversity
**Tentative title of research project** : Climate-smart ecosystem management opportunities for Climate Risks reduction
**Tentative project summary** : Climate-smart ecosystem management can provide effective nature-based solutions to adress some climate risks in a variety of scenarios. I am interested in partnering in projects that harness such potential in order to identify win-win scenarios for climate risk reduction and biodiversity.
**Research area** : Any

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : Any organization/consortium interested in research/implementation of climate-smart ecosystem management for climate risk reduction.
**Will ask funds to** :

## Niger

**Ibrah SEIDOU SANDA**

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**Represent team from** : Africa
**Country** : Niger
**Organisation** : AGRHYMET CCR-AOS

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Niger

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : xxx yyy zzz
**Tentative title of research project** : xxx
**Tentative project summary** : xxx
**Research area** : xxx

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : xxx
**Will ask funds to** : xxx

## Nigeria

**Ortyom Neer**

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**Represent team from** : Africa
**Country** : Nigeria
**Organisation** : National Commission for Museums and Monuments

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Soil Health, Sustainable Agriculture and Heritage conservation
**Tentative title of research project** : Mitigation of Climate Change Impact on Cultural Heritage Sites in Nigeria
**Tentative project summary** : This project is borne out of the need to safe guard our heritage and protect it from damage, tear and other associated mutilated factors that destroys heritage sites, these are factors such as drought, storms and flood etc.

Generally speaking the idea of seeking for solution-based collaborative action to safeguard our collective heritage was started in 2019 during the COP25 in Madrid, Spain. This United Nation Framework Convention Conference on Climate Change (UNFCCC) was aimed at protecting and preserving our cultural heritage through climate change mitigation.
In Nigeria, We have carried out Climate Vulnerability Index on Sukur Cultural Landscape site, a UNESCO heritage site since 1999. This site has suffered from climate related disasters over time, ranging from flood, storm etc, all of which have destroyed the economy of the residents of the area around Sukur which is mainly agriculture and a people whose main economy is dependent on rain fed agriculture.
This project is aimed at introducing organic fertilizer application for a sustainable means of agriculture to the inhabitants of Sukur, this form of farming will make it possible for conservation of soil by ensuring that the health of the soil remains intact during and after farming, it will also create room for biodiversity conservation.
This regenerative agriculture will contribute in no little measure to climate change mitigation.
**Research area** : Germany

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Heritage Managers, Sustainable agriculture experts.

**Stanley Emegbusim**

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**Represent team from** : Africa
**Country** : Nigeria
**Organisation** : Private (For Profit)

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Early Warning Systems; Climate Security Risk Assessment; Agro-Climatic Resilience; Nigeria; Community-Based Climate Services
**Tentative title of research project** : Climate-Intelligent Early Warning and Risk Prevention System for Resilient Agro-Livelihoods in Nigeria
**Tentative project summary** : This project aims to enhance climate resilience and food security in Nigeria by strengthening early warning systems and improving operational risk assessments linked to climate-induced security threats. By leveraging localized climate data, indigenous knowledge, and predictive analytics, the project will co-develop a user-centered early warning framework tailored for smallholder farming communities and local decision-makers. It will integrate geospatial risk mapping, real-time weather intelligence, and community-based response protocols to anticipate and mitigate climate-driven shocks, such as floods, droughts, and resource-based conflicts. Special emphasis will be placed on co-production of climate services involving local actors, researchers, and institutions to ensure relevance, ownership, and sustainability. The project will also build capacity at institutional and community levels to operationalize risk information and embed climate-security responses into local development planning.
**Research area** : Nigeria

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Civil Society Organizations and NGOs with proven experience in community-based adaptation, disaster risk reduction, or early warning dissemination.
**Will ask funds to** :

## Norway

**Ashenafi Seifu Gragne**

**Name** : Ashenafi Seifu Gragne
**Contact** : ashenafi.seifu.gragne@niva.no
**Represent team from** : Europe
**Country** : Norway
**Organisation** : Norwegian Institute for Water Research

**Part of a consortium :** Yes
**Consortium complete and eligible :** No
**Other partners from** : Ghana and Norway

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Climate Resilience, Risk Assessment, Climate Adaptation, Risk Forecasting, Co-production
**Tentative title of research project** : Integrated Climate Risk Management for Water, Food, and Ecosystems in West Africa
**Tentative project summary** : The project aims to co-develop and implement integrated climate services that enhance resilience to climate-induced risks across water, food, and ecosystem systems in Western Africa. By combining hydrological modeling, socio-economic analysis, ecosystem monitoring, and participatory governance, the project will deliver actionable tools and strategies for early warning, risk-informed planning, and sustainable resource management. Leveraging a transdisciplinary consortium - including experts in climate diagnostics, agroecology, environmental health, and policy integration-the project will address critical gaps in early warning systems, climate security risk assessment, and institutional capacity. The outcomes will support local communities, policymakers, and regional institutions in building adaptive capacity and reducing vulnerability to climate extremes.
**Research area** : The project focuses on the Volta Basin, a transboundary watershed spanning several West African countries.

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : We are seeking partnerships with European and West African organizations that bring complementary expertise. Preferred partners include universities, research institutes, and applied science centers with strengths in climate diagnostics, agroecology, and transboundary water resource management. In West Africa, we aim to collaborate with institutions actively engaged in the Volta Basin, to build on and/or complement ongoing efforts in climate risk

assessment, early warning systems, and community-based adaptation. Our goal is to co-develop climate services that are scientifically robust, locally grounded, and policy-relevant.
**Will ask funds to** : RCN

**Ida Fuchs**

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**Represent team from** : Europe
**Country** : Norway
**Organisation** : NTNU

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Energy recilience, off-grid energy systems, renewable energy systems, microgrids
**Tentative title of research project** : Energy Recilience
**Tentative project summary** : I would like to work in energy recilience and energy for climate affected regions. Energy systems that can easily adapt to climate change and provide energy under climate change conditions. Additionally, these systems should be sustainable and not contributing to more climate change.
**Research area** : Any

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No
**Partner profile searched** : Universities, companies, partners, ect.
**Will ask funds to** :

**Debhasish Bhakta**

**Name** : Debhasish Bhakta
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**Represent team from** : Europe
**Country** : Norway
**Organisation** : Norwegian Institute for Water Research (NIVA)

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Earth Observation, AI, Mapping, Digitalization, Climate Resilience
**Tentative title of research project** : AI-Driven Earth Observation and Geospatial Intelligence for Climate Risk Mapping in West Africa
**Tentative project summary** : This project aims to develop a scalable, AI-powered framework for processing Earth Observation data to support climate risk assessment and decision-making in West Africa. Leveraging satellite imagery, machine learning, and advanced GIS techniques, the research will focus on mapping climate-related hazards such as flooding, drought, and land degradation. The project will also develop user-oriented digital tools and visual platforms to support stakeholders in climate adaptation planning. Collaborative work across African and European institutions will ensure relevance, local impact, and long-term capacity building.
**Research area** : Primarily West African countries (to be specified based on partnership), with a focus on areas facing climate hazards such as Sahelian zones and coastal flood-prone regions.

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : We are seeking partners from both Africa and Europe with expertise in: Climate science and adaptation  Remote sensing and environmental monitoring  GIS and spatial data analytics  Software and platform development for climate services  Stakeholder engagement and capacity building Preferred partners include universities, research institutes, national climate agencies, NGOs with field experience, and SMEs working with geospatial technology.
**Will ask funds to** :

## Elyes Ahmed

**Name** : Elyes Ahmed
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**Represent team from** : Europe
**Country** : Norway
**Organisation** : Sintef Digital

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

### PROJECT

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : digital twin, climate resilience, water-energy management, AI for early warning systems
**Tentative title of research project** : Digital Twin for Climate-Resilient Water and Energy Management
**Tentative project summary** : This project proposes the development of an AI-powered digital twin that integrates real-time climate data, digitized surface water and reservoir systems, and advanced hydrological simulations to optimize water-energy decision-making in West Africa under the increasing pressure of extreme weather events and climate variability. By combining artificial intelligence, climate services, and digital simulations of reservoir and surface water dynamics, the platform will deliver:
(1) Early warning capabilities for floods, droughts, and water stress.
(2) Operational tools for climate risk assessment.
(3) Adaptive planning support for water and energy management across river basins and multipurpose reservoirs.
The digital twin will be co-designed with West African stakeholders, including policymakers, energy utilities, and local communities, ensuring relevance, usability, and long-term impact. It addresses regional needs and advances:
(a ) Enhancing understanding of how climate change affects surface water availability, reservoir operations, and their implications for energy and food security.
(b) Building technical skills in AI, digital modeling, and simulation tools among regional experts and institutions.
(c) Delivering an integrated decision-support system combining digitized hydrological infrastructure, real-time data assimilation, and AI-enhanced forecasting.
**Research area** : Mauritania, Mali, Niger

### SEARCHING FOR

**Consortium to join** : Yes
**One or more african partners** : No
**One or more european partners** : No

**Partner profile searched** : Research Organization, foundations etc
**Will ask funds to** : Research Council of Norway

**Sourangsu Chowdhury**

**Name** : Sourangsu Chowdhury
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**Represent team from** : Europe
**Country** : Norway
**Organisation** : CICERO Center for International Climate Research Oslo

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** :

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: No
**Topic 3. Improving financing mechanism and institutional integration of climate service**: No

**Keywords** : Heat and air pollution, Heat and Health Action Plans, Impact based EWS
**Tentative title of research project** : Impact of heat and air pollution in W.Africa: Evidence and solutions
**Tentative project summary** : To discuss upon being contacted
**Research area** : Togo; Nigeria; Benin; Cote d Ivore.. and other W. African countries

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : No
**Partner profile searched** : Researcher; government and private stakeholders;
**Will ask funds to** : RCN ++

## Senegal

**SARRE Oumar**

**Name** : SARRE Oumar
**Contact** : oumsarre@gmail.com
**Represent team from** : africaine
**Country** : Sénégal
**Organisation** : N/A

**Part of a consortium :** Non
**Consortium complete and eligible :** Non
**Other partners from** : Sénégal Côte d'ivoire

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Oui

**Keywords** : N/A
**Tentative title of research project** : N/A
**Tentative project summary** : N/A
**Research area** : Afrique de l'Ouest

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : En tant que specialiste en SE et redacteur de projet, je cherche à rejoindre un partenaire pour la rédaction du projet.
**Will ask funds to** : N/A

**NDIAYE Mamadou**

**Name** : NDIAYE Mamadou
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**Represent team from** : africaine
**Country** : Sénégal
**Organisation** : Institut Sénégalais de Recherches Agricoles(ISRA)

**Part of a consortium :** Oui
**Consortium complete and eligible :** Non
**Other partners from** : France

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Oui
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Oui
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Non

**Keywords** : IA, Machine Learning, alerte précoce, résilience des systèmes agricoles, sécurité alimentaire.
**Tentative title of research project** : Avancées novatrices en agritech au Sénégal : Surveillance des cultures dans les différentes région agroécologique du Sénégal utilisant des méthodes d'Intelligence Artificielles basées sur des données de terrain et des données d'Observations de la Terre
**Tentative project summary** : Face aux défis du changement climatique, de la dégradation des sols et de l'environnement, il est essentiel de surveiller attentivement les cultures à l'échelle des parcelles dans les différentes régions agroécologiques du Sénégal. Cela nécessite une révision des approches actuelles par la mise en œuvre d'outils de suivi des cultures. Ces outils se basent sur le développement de méthodes de Machine Learning utilisant des mesures directes et des données d'observation de la Terre. Bien que divers modèles aient été testés mondialement, apportant une certaine précision, ils présentent néanmoins des limites notables, notamment en termes d'adaptabilité au contexte changeant d'une région agroécologique à une autre et à l'échelle parcellaire. Faut-il noter que la non uniformité des conditions environnementales et climatiques dans les différentes régions agroécologiques est accentuée par l'effet des changements climatiques. Ce projet se concentre sur la création d'approche, de méthodes, algorithmes et outils de Machine Learning dans le but de contribuer à la résilience des systèmes agricoles dans un contexte de l'agriculture de précision. Cela garantirait une exploitation optimale et durable des ressources agricoles et assure ainsi la sécurité alimentaire. Dans ce cadre, il sera question de développer des méthodes et algorithmes open-source innovants de Machine Learning, spécifiquement adaptés aux différentes localités et qui intégreront toutes les informations spatiales et fonctionnelles fournies par les données, pour classifier les terres cultivées et non cultivées, les types de cultures ainsi que les différentes variétés au sein d'une même culture via leurs signatures spectrales, estimer les rendements et prédire les productions. Les approches permettront aussi de suivre à temps réel l'évolution de la croissance des plantes suivant des indices de végétations pour déceler des éventuels stress (alertes précoces) dus, entre autres, aux paramètres climatiques ou météorologiques. Ce suivi est particulièrement important pour assurer une production de qualité, à tous les niveaux, des semences de prébases, de bases et semences certifiées.

**Research area** : Sénégal

**SEARCHING FOR**

**Consortium to join** : Oui
**One or more african partners** : Oui
**One or more european partners** : Oui
**Partner profile searched** : Université et Institut de recherches spécialisées dans de le développement de solutions, utilisant l'intelligence artificielle, la télédétection, appliquées à l'agriculture de précision/agriculture intelligente.
**Will ask funds to** : BMFTR

## United Kingdom

**Katherine Kennedy**

**Name** : Katherine Kennedy
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**Represent team from** : Europe
**Country** : United Kingdom
**Organisation** : Risk & Policy Analysts Ltd (RPA).

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : No partnerships developed yet. Looking to develop collaborative projects.

**PROJECT**

**Topic 1.Improving Early Warning Systems:** No
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Monitoring, Evaluation, Governance, Institutional strengthening, Programme management.
**Tentative title of research project** : RPA are Expert Consultants in Monitoring & Evaluation, Technical and Institutional Capacity Building, Stakeholder Management and Governance.
**Tentative project summary** : Looking to assist projects in developing effective and dynamic Monitoring & Evaluation projects and platforms in- intra- and post- project.
**Research area** : West African country partners, and African/European Research Institutions.

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Research, Governmental and Civil Society Partners
**Will ask funds to** :

**Henry Freeman**

**Name** : Henry Freeman
**Contact** : henryfreeman@redcross.org.uk
**Represent team from** : Europe
**Country** : United Kingdom
**Organisation** : British Red Cross

**Part of a consortium :** No
**Consortium complete and eligible :** No
**Other partners from** : Tbc - but could potentially include any Red Cross National Society (i.e. all countries) or IFRC colleagues

**PROJECT**

**Topic 1.Improving Early Warning Systems:** Yes
**Topic 2. Improving operational assessment and prevention of Climate Security Risks**: Yes
**Topic 3. Improving financing mechanism and institutional integration of climate service**: Yes

**Keywords** : Tbc
**Tentative title of research project** : Tbc
**Tentative project summary** : Tbc
**Research area** : Tbc

**SEARCHING FOR**

**Consortium to join** : Yes
**One or more african partners** : Yes
**One or more european partners** : Yes
**Partner profile searched** : Tbc
**Will ask funds to** : Tbc