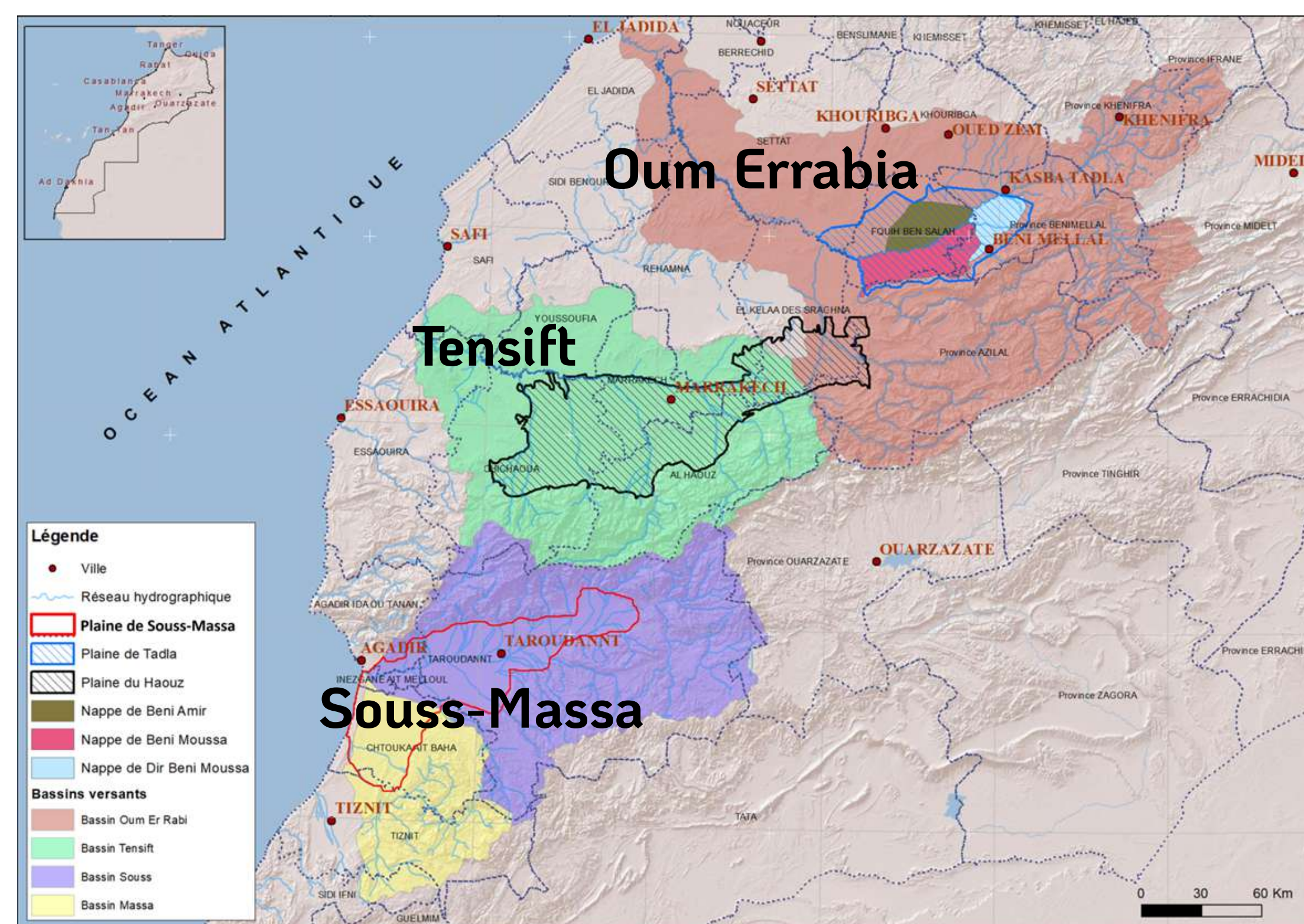## ABOUT US

GEANTech is a research project that aims to create new technologies to optimise water management in agriculture. GEANTech aims to ensure:

- To advance knowledge of the evolution of the hydrological cycle and its socio-economic implications.
- To development of solutions for water sustainable management in agricultural.
- To establish of a water data management system between the partners.
- To improve governance methods based on collective intelligence and social science paradigms.

Regions of Interest

Oum Errabia

Tensift

Souss-Massa

Légende
- Ville
- Réseau hydrographique
- Plaine de Souss-Massa
- Plaine de Tadla
- Plaine du Haouz
- Nappe de Beni Amir
- Nappe de Beni Moussa
- Nappe de Dir Beni Moussa

Bassins versants
- Bassin Oum Er Rabi
- Bassin Tensift
- Bassin Souss
- Bassin Massa

0   30   60 Km

Partners

Farmers ONGs

ORMVAH
L'Office Régional de Mise en Valeur Agricole du Haouz Marrakech

AGENCE DU BASSIN HYDRAULIQUE DE L'OUM ER-RBIA

Agence de Bassin Hydraulique du Tensift

Office Régional de Mise en Valeur Agricole du Souss Massa

AGROTECH CONSULTING

OFFICE RÉGIONAL DE MISE EN VALEUR AGRICOLE DU TADLA

LES DOMAINES AGRICOLES

Agence du Bassin Hydraulique de Souss Massa

Institut National de la Recherche Agronomique

Kingdom of Morocco SOUSS MASSA REGION

FIFEL

Institut Agronomique et Vétérinaire Hassan II · IAV ·

DOMAINES ABBES KABBAGE

Funders

Royaume du Maroc
Ministère de l'Enseignement Supérieur, de la Recherche Scientifique et de l'Innovation

Centre National pour la Recherche Scientifique et Technique

FONDATION OCP

UM6P | UGF Unité de Gestion des Fonds

Consortium

UNIVERSITÉ IBN ZOHR

UM6P IWRI CRSA

MARRAKECH UNIVERSITÉ CADI AYYAD

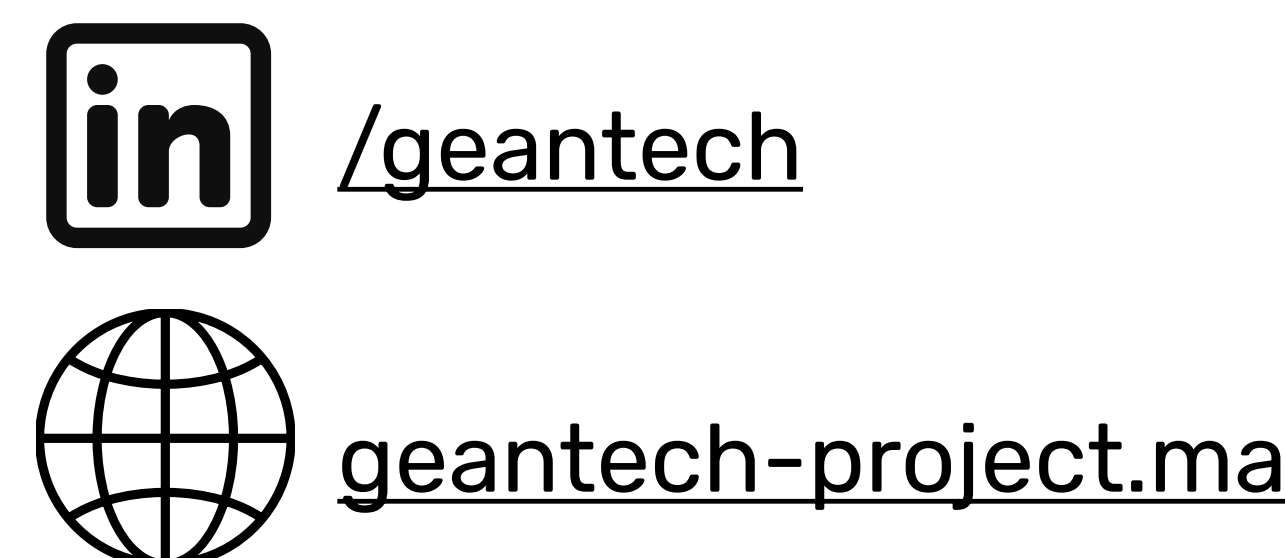Université Sultan Moulay Slimane

IRD

GEANTECH

Sustainable Water Management in Agriculture

Innovation of synergic approach of new technologies and collective intelligence
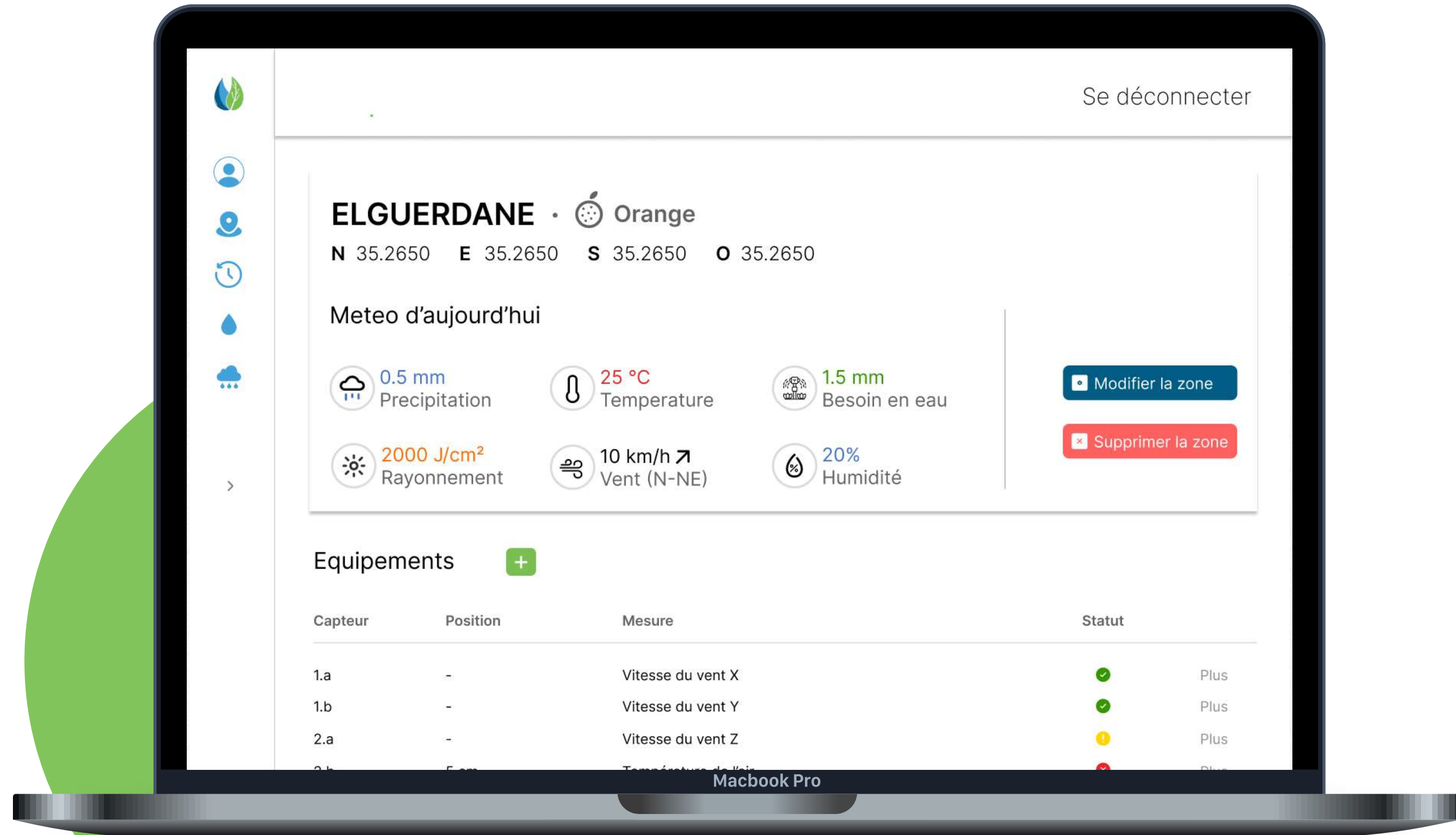

SCAN ME

CONTACT US

 /geantech

 geantech-project.ma

GEANTECH

Sustainable Water Management in Agriculture

Innovation of synergic approach of new technologies and collective intelligence

GEANTECH
Our Services

Technological transfer
Sharing knowledge and experience
Capacity building
Recommendation on agricultural practices
Collective Intelligence & Living-Labs
Training
Participatory governance
Socio-economic analysis

3 Fast, enhanced access

Our platform is accompanied by a mobile application specially designed for farmers. The app provides a complete view of farm data, equipment, weather and future forecasts, seamlessly and quickly.
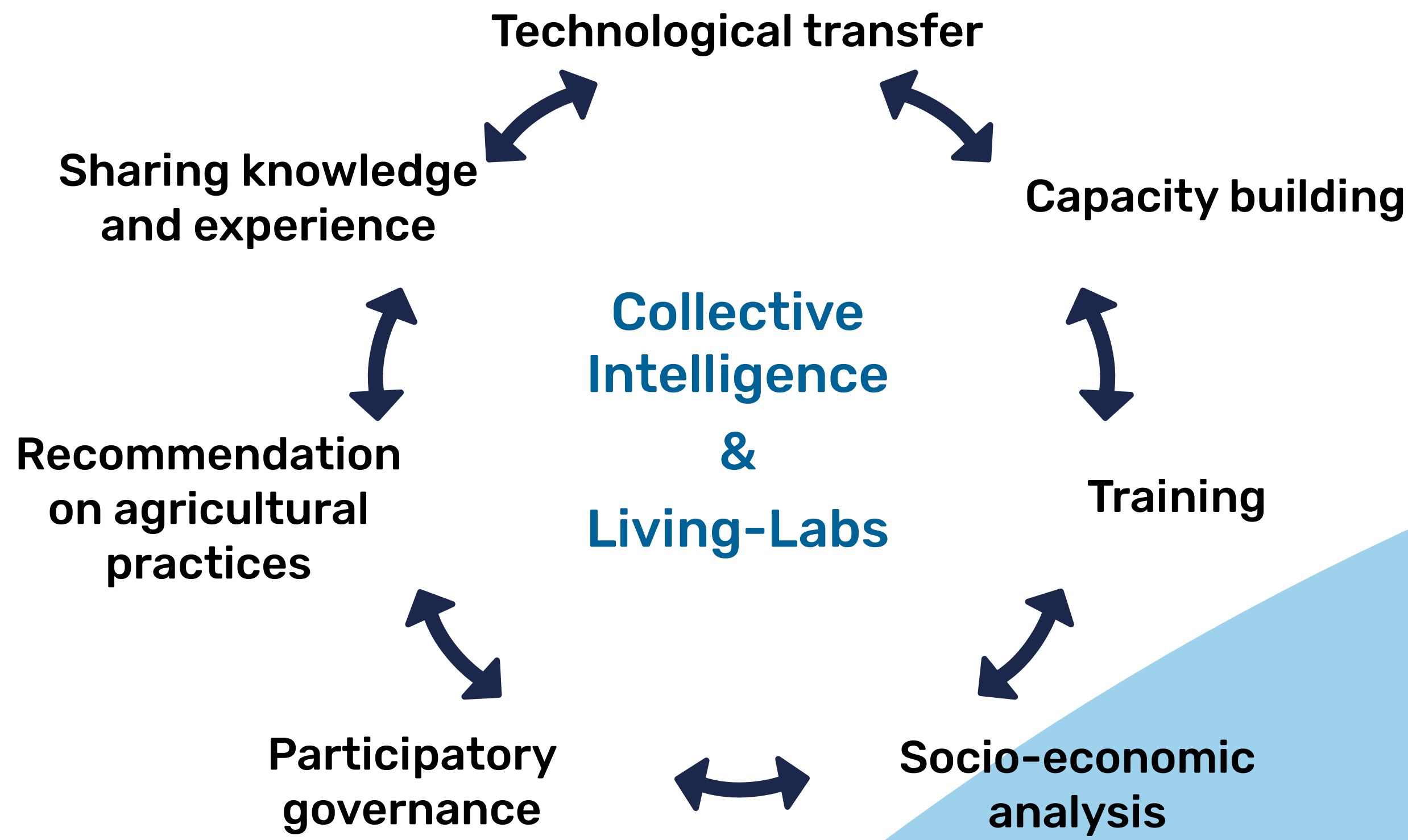
4 Crop diversification

In GEANTech, we are working on different types of crops, mainly citrus, wheat, quinoa and olives... Other crops will be added.

5 Terrain Measurements

Several Eddy-cov stations were installed in our regions of interest in order to collect agrometeorological data. Each station contains numerous sensors that measure different variables such as rainfall, humidity, wind speed, temperature, and more. We are also using aerial images such as satellite and drone images of the regions to further enhance our services.

1 Monitoring of agricultural areas

Our platform offers quick and easy access to agrometeorological measurements, water requirements of the different crops, and optimized water consumption throughout the year, with 24/7 availability.

2 Customised forecasts

The accuracy of our services comes from the use of state-of-the-art data analysis techniques and AI technologies. These technologies are readily available in our web and mobile applications.

Citrus
Souss-Massa - El guerdane

Olive
Haouz - Agdal

Quinoa
Haouz - Chichaoua

Cereals
Haouz