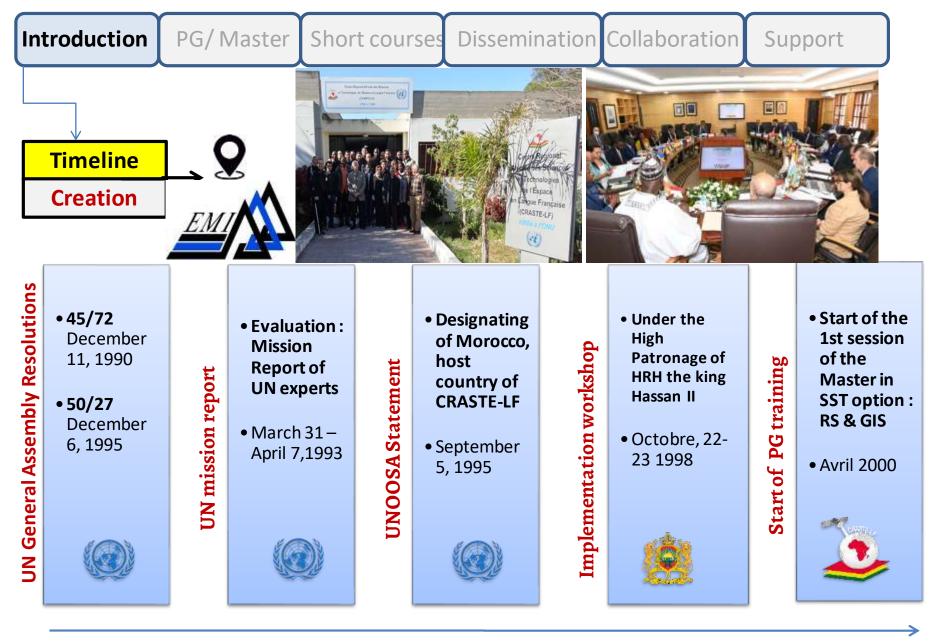
African Regional Centre for Space Science and Technology Education- in French Language



The contribution of CRASTE-LF to capacity building in space science and technology in Africa





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### **13 Members States**

United



Introduction Short courses **Dissemination** Collaboration PG/Master **Missions Capacity Building** in SST 1. To increase knowledge 2. To improve the technical competences in SST of the region organising Postgraduate

- Courses
- Short courses, Seminars, Workshops, Conferences at the Regional level
- experts, teachers, decisionmakers
- hold them informed about technical progress

# 3. To assist the countries

Support

- development of endogens capacities in space tools
- To Strengthen the Local and **Regional Capacities.**

### 4. To promote Cooperation

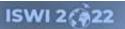
- between the Developed **Countries**
- States Members as well as among these States

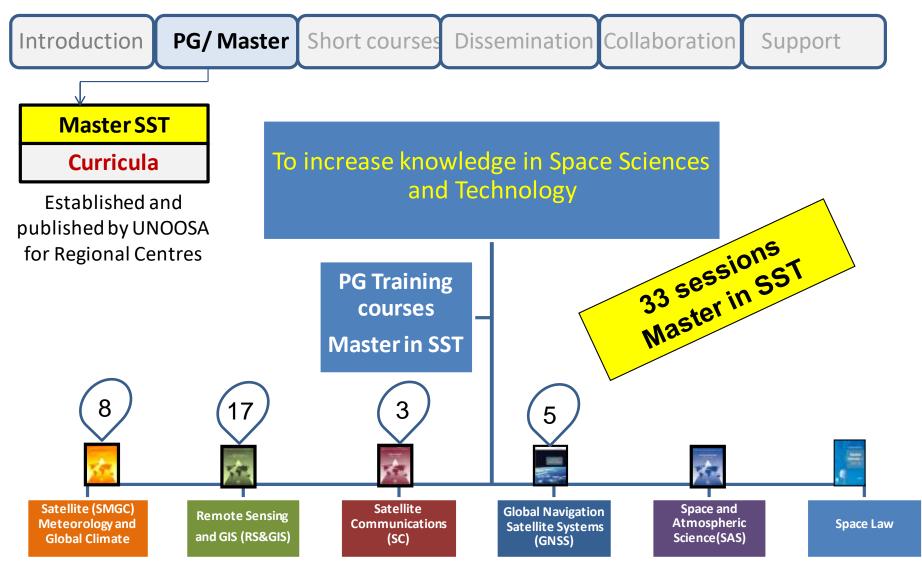
### **5.** Provide advisory services

- to Member States
- regional institutions that have made the request

### 6. Collect and disseminate information

 related to Space Sciences and Technologies (SST)





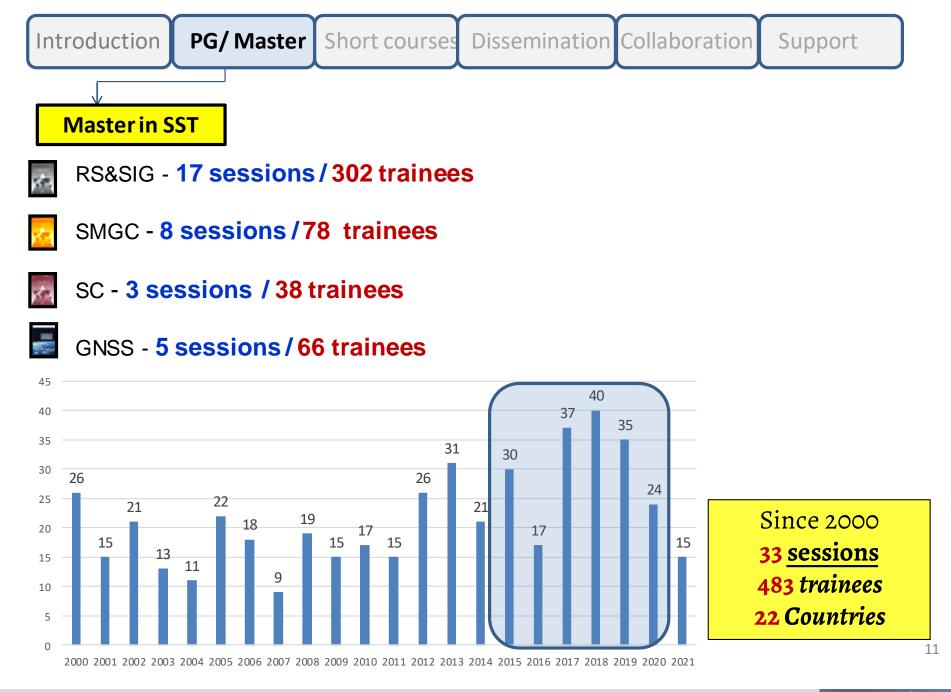
### **Education Curricula**

Since 1988 the United Nations, through its Programme on Space Applications, has been supporting the establishment of Regional Centres for Space Science and Technology Education, affiliated to the United Nations, in Africa, Asia and the Pacific, Latin America and the Caribbean, and Western Asia.

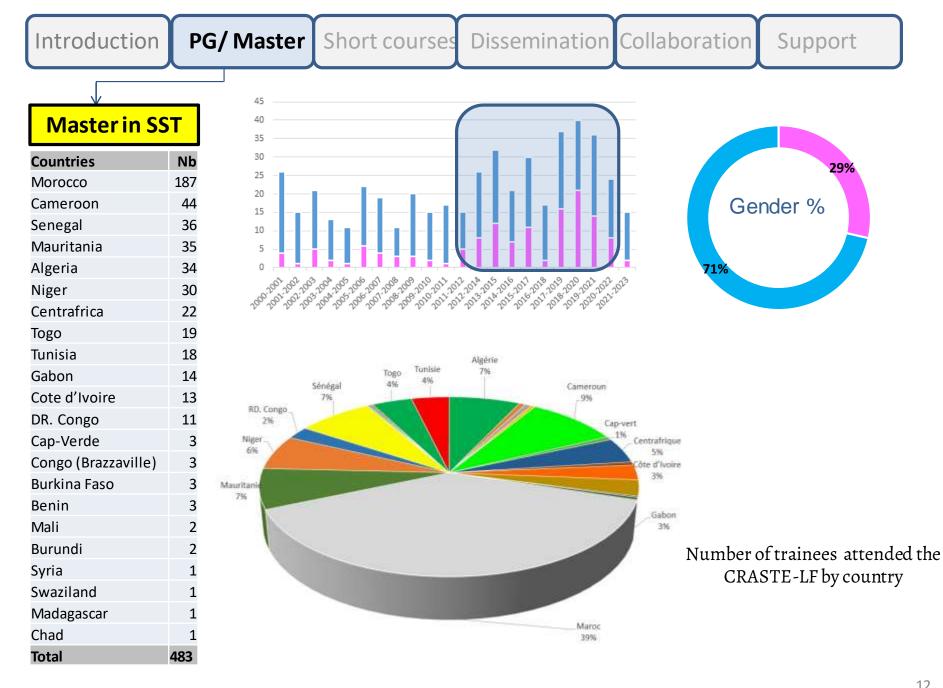
United Nations / Azerbaijan Workshop on the International Space Weather Initiative 03/11/2022

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- Phase I : Theoretical and practical courses, field school and other activities at the Center in Morocco

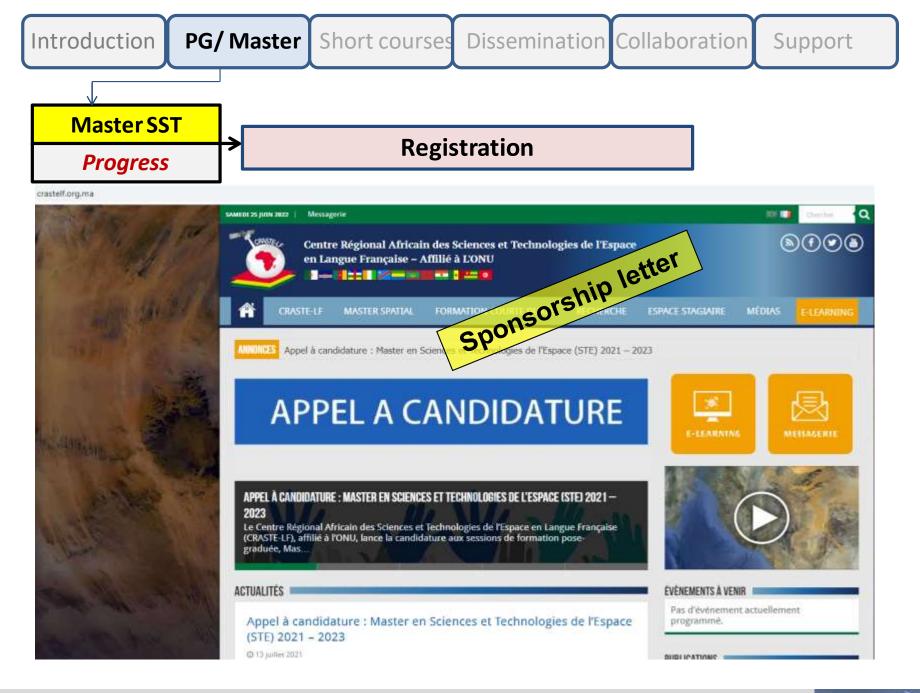


- **Phase II:** Preparation of a research project in the trainee's country theme of national interest.esis

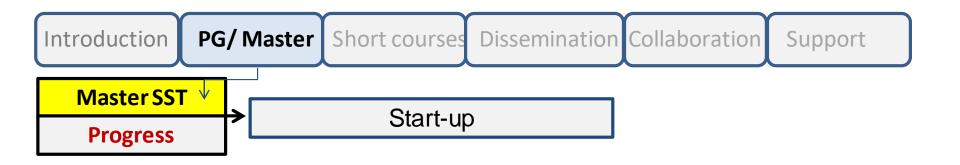


- Fin de phase II : Defense of the project thesis.

Accreditation & double diploma : Decision of the Governing Board of CRASTE-LF

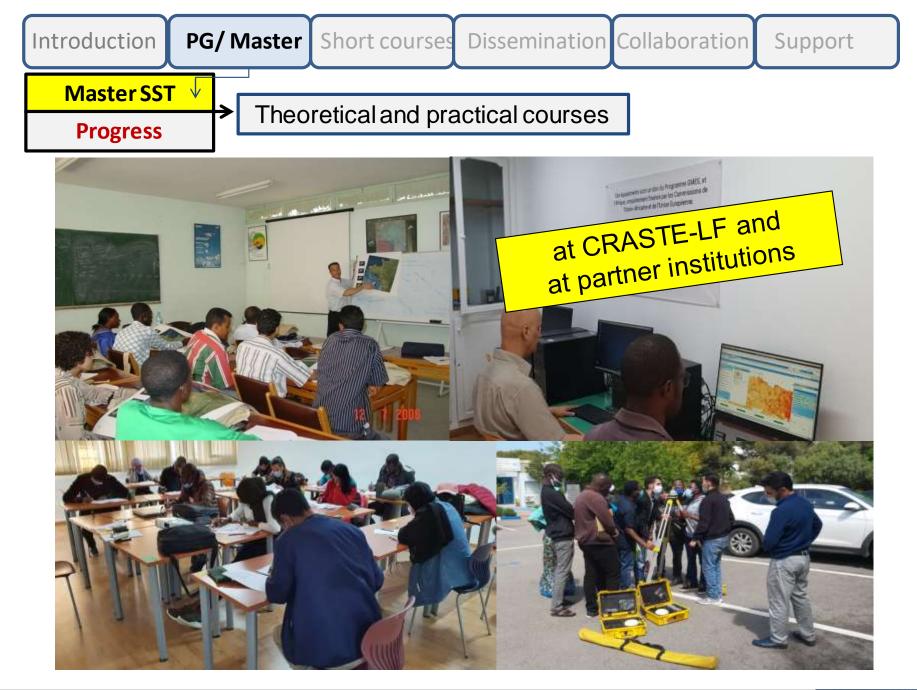


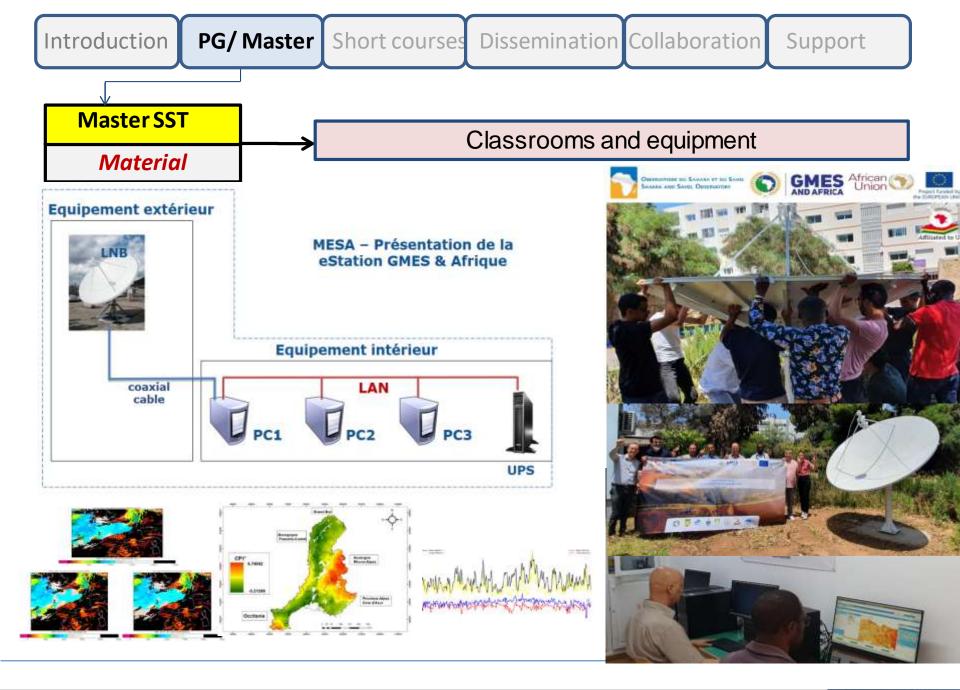
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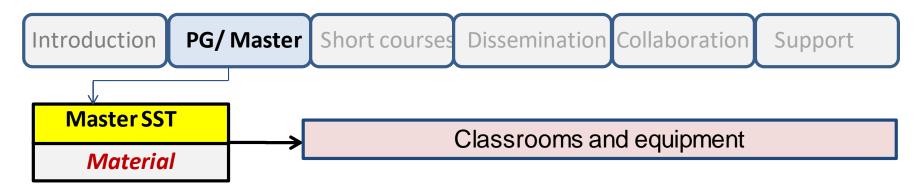




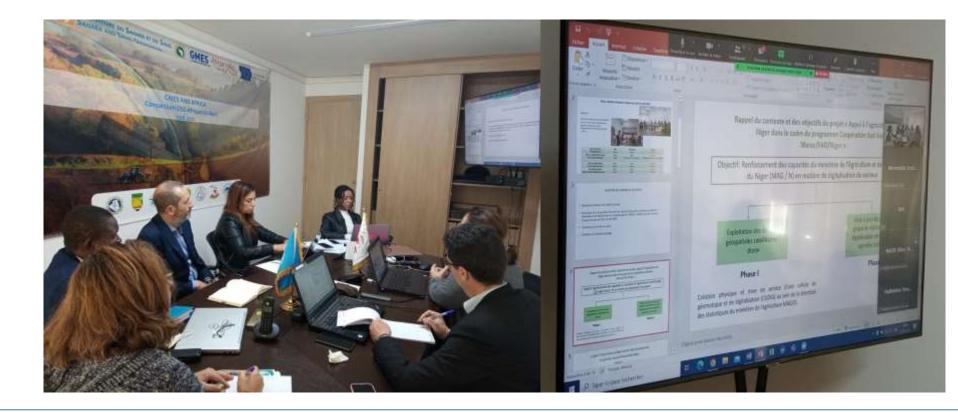
**Opening ceremony and reception of trainees** 

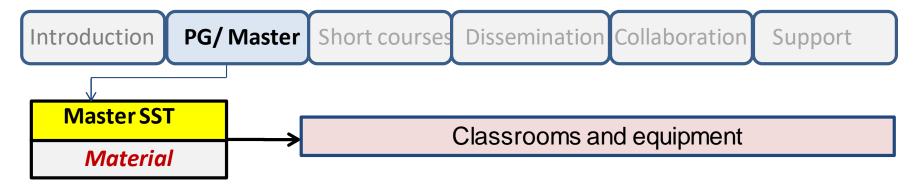






### Meeting room: with communication equipment

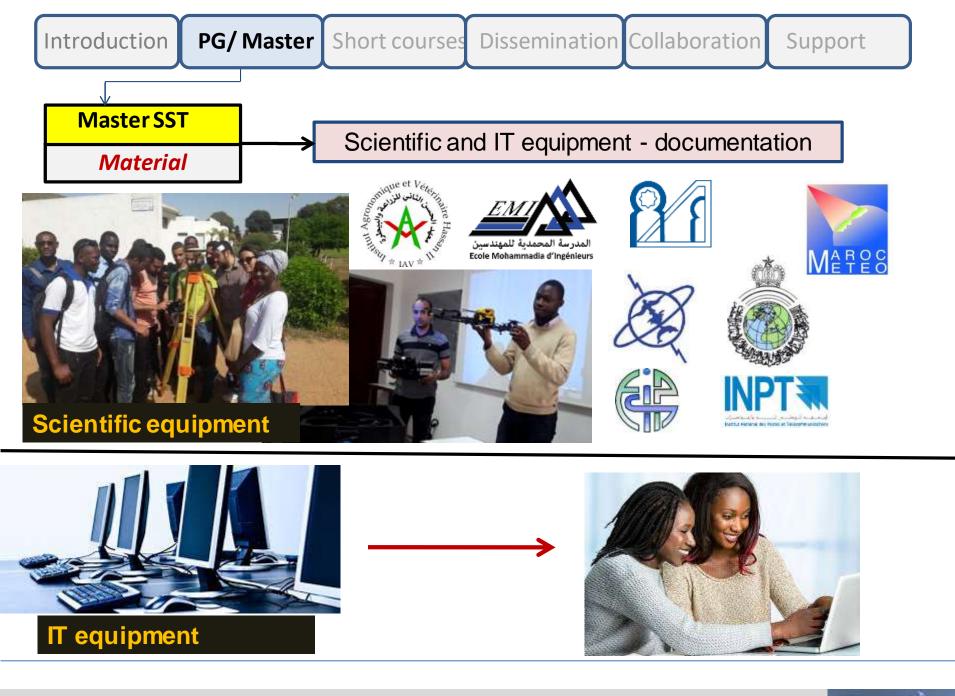


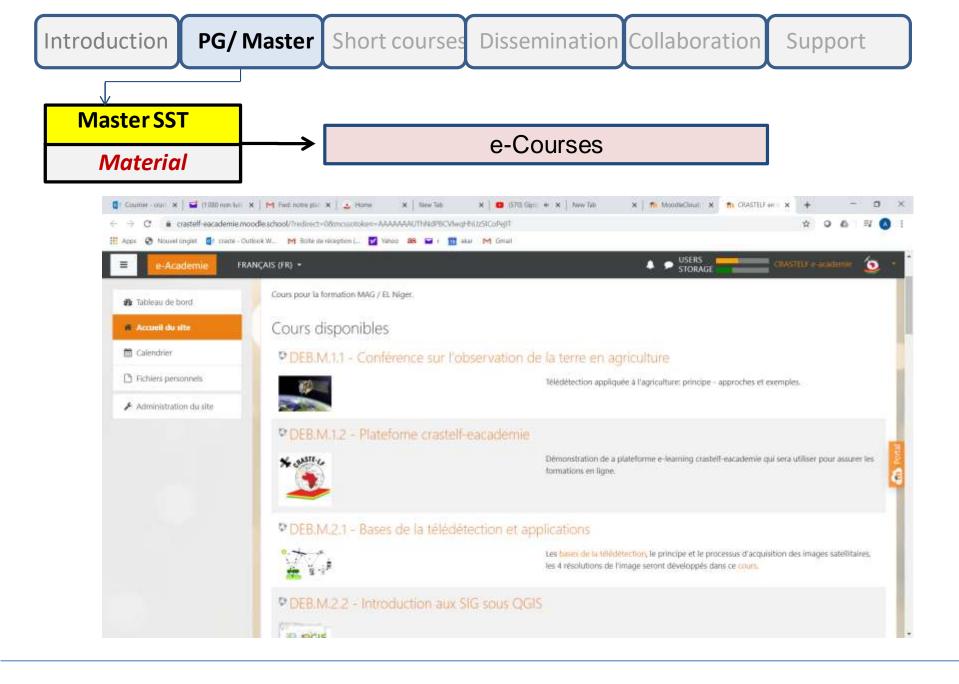


### Classrooms / e-training or hybrid training:

- Courses and thesis defend
- Workshops and opening ceremony



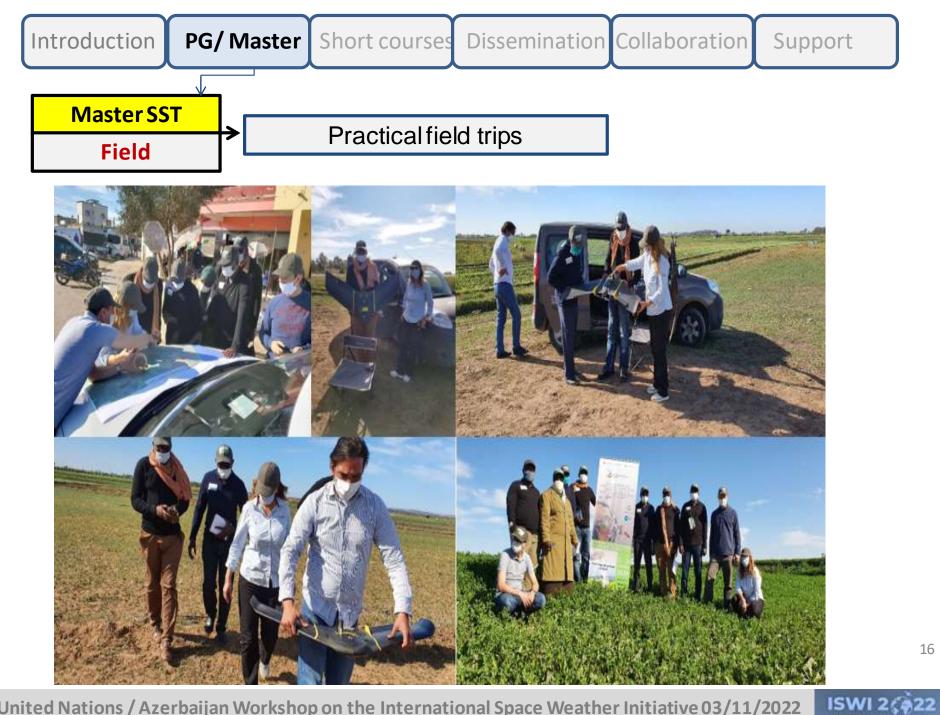




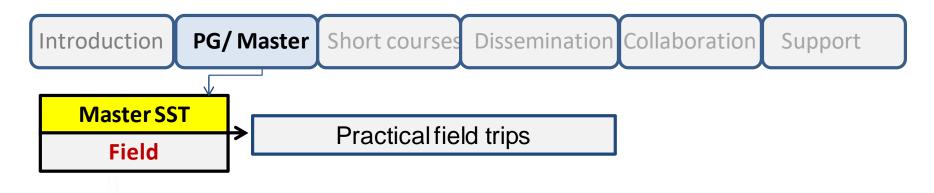
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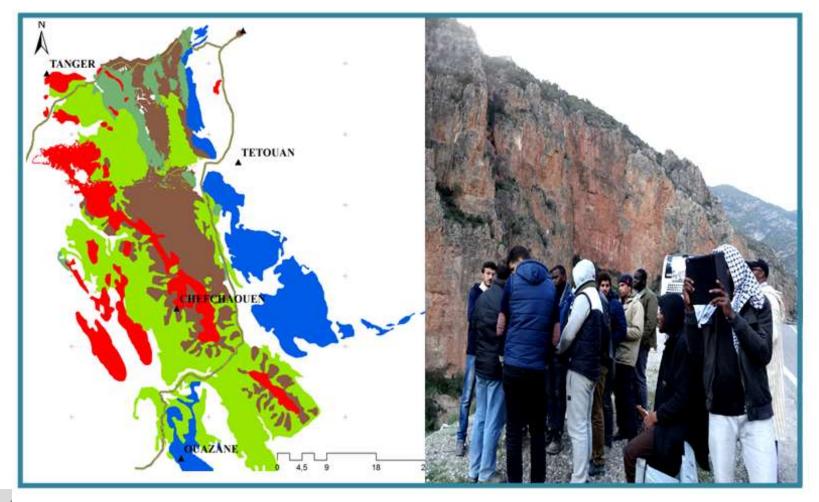


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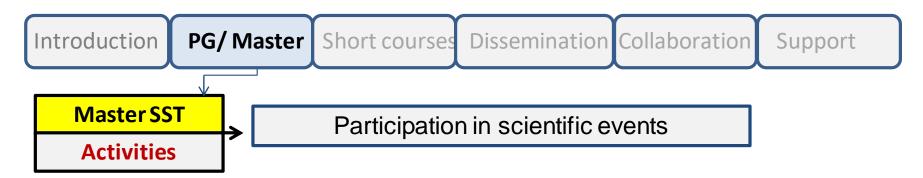


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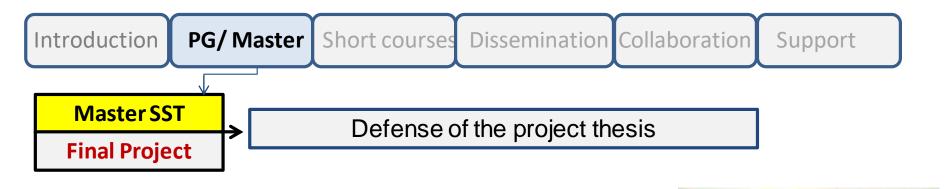


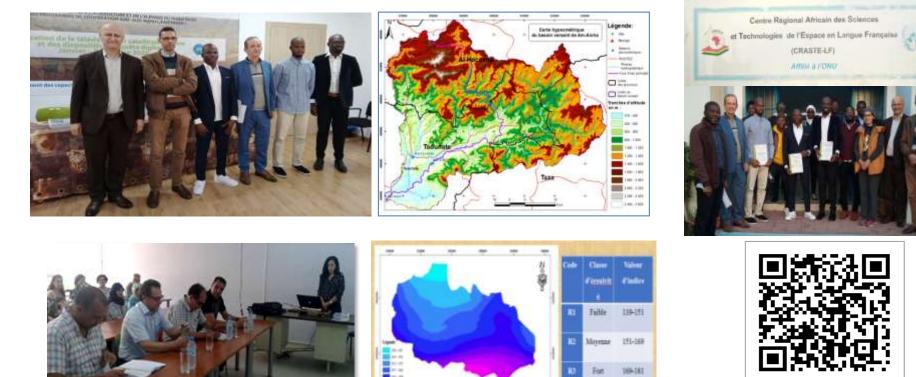


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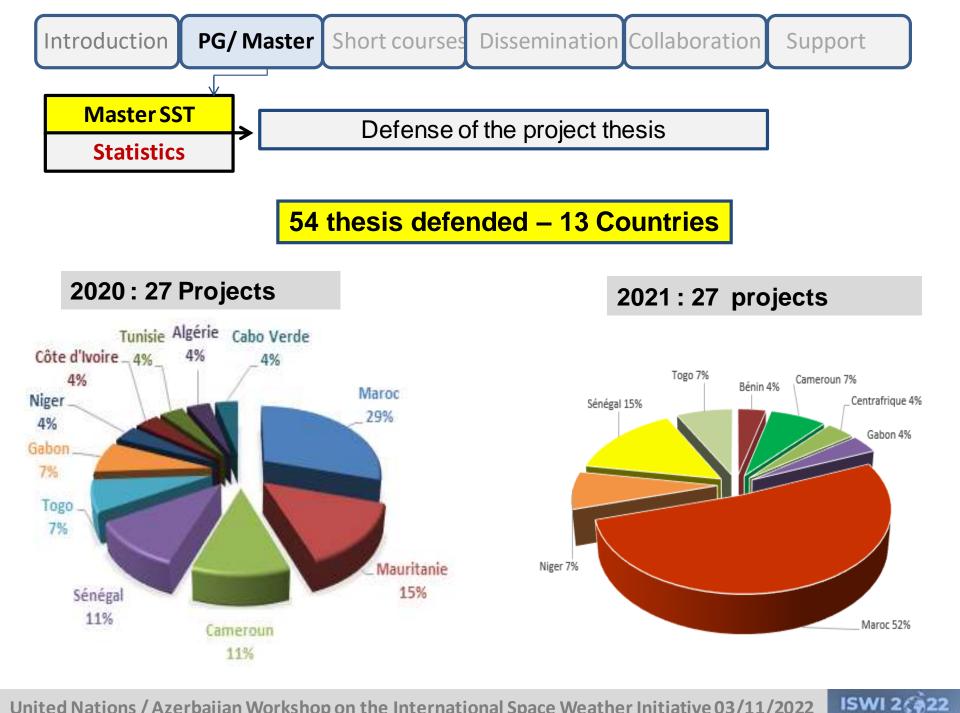
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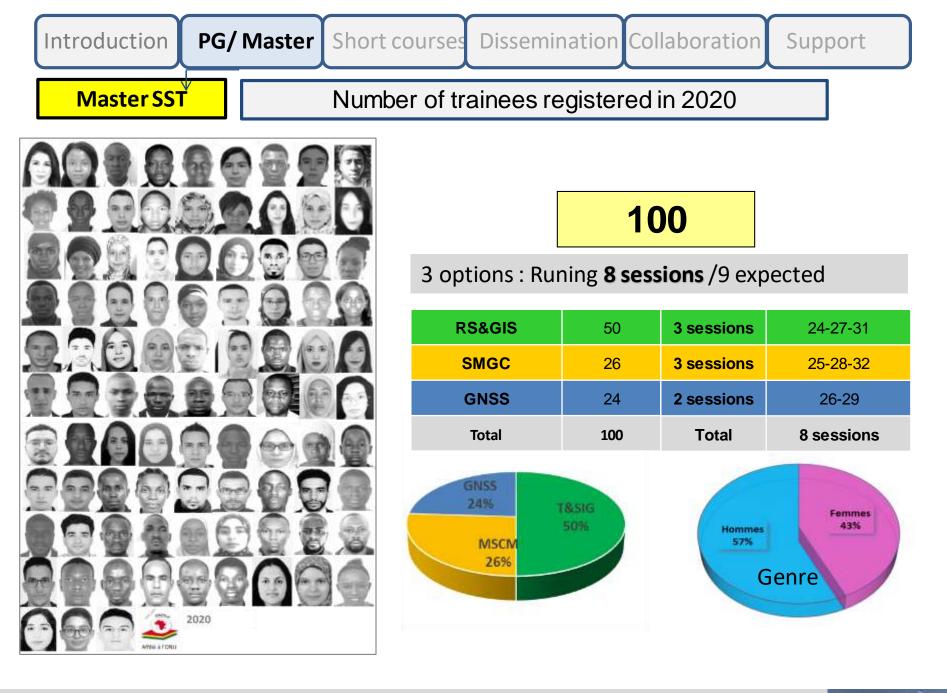
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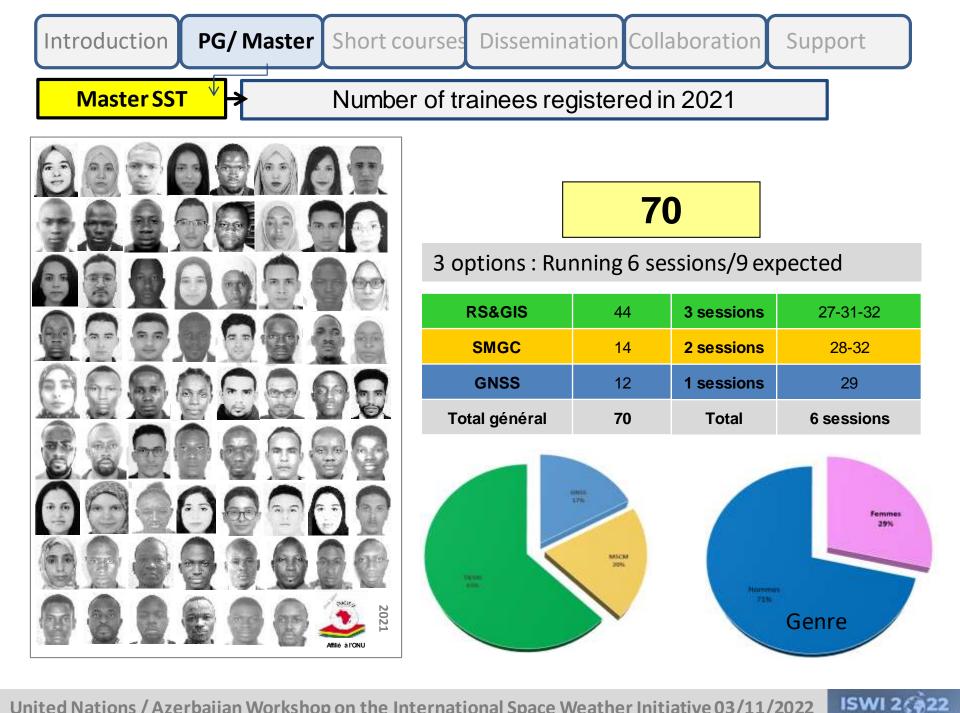
United Nations / Azerbaijan Workshop on the International Space Weather Initiative 03/11/2022

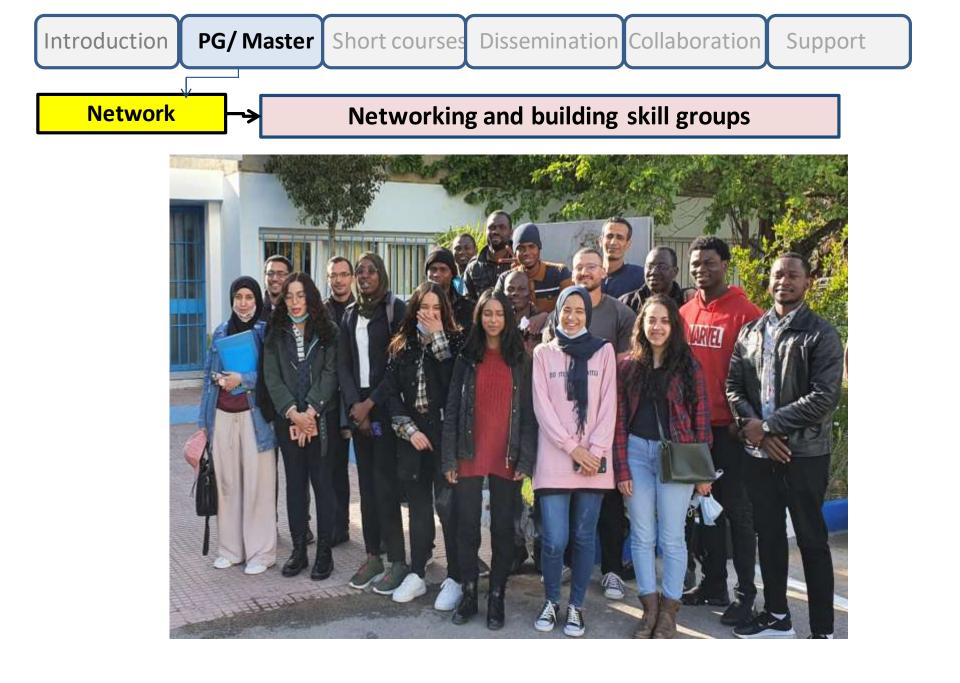


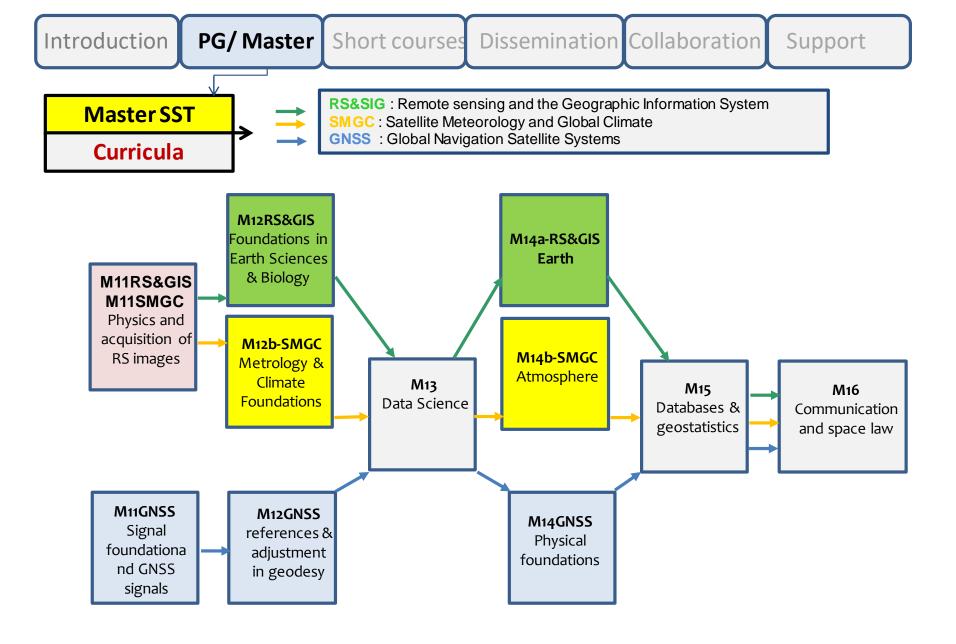
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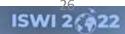


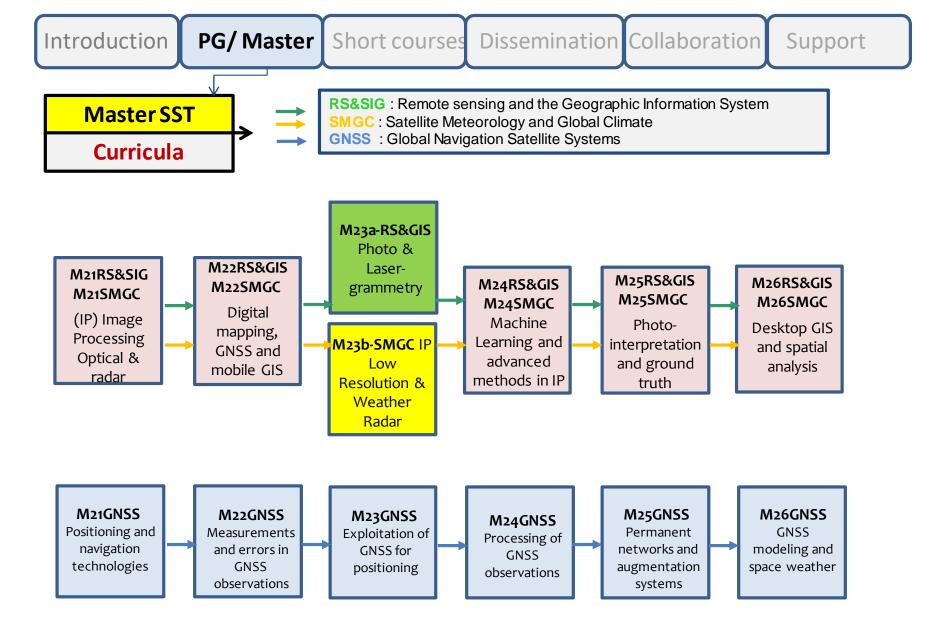




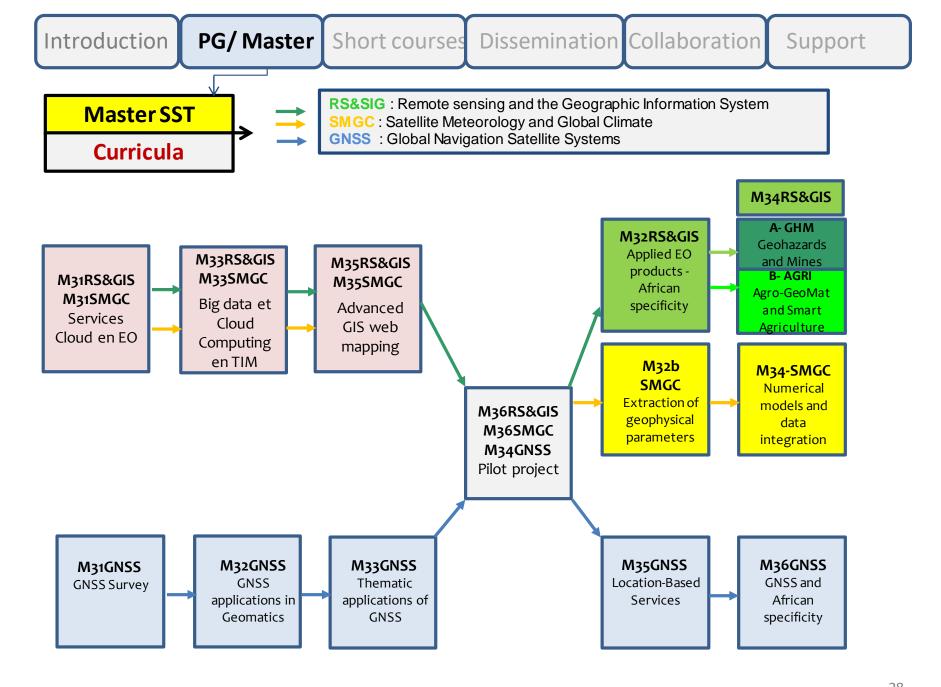




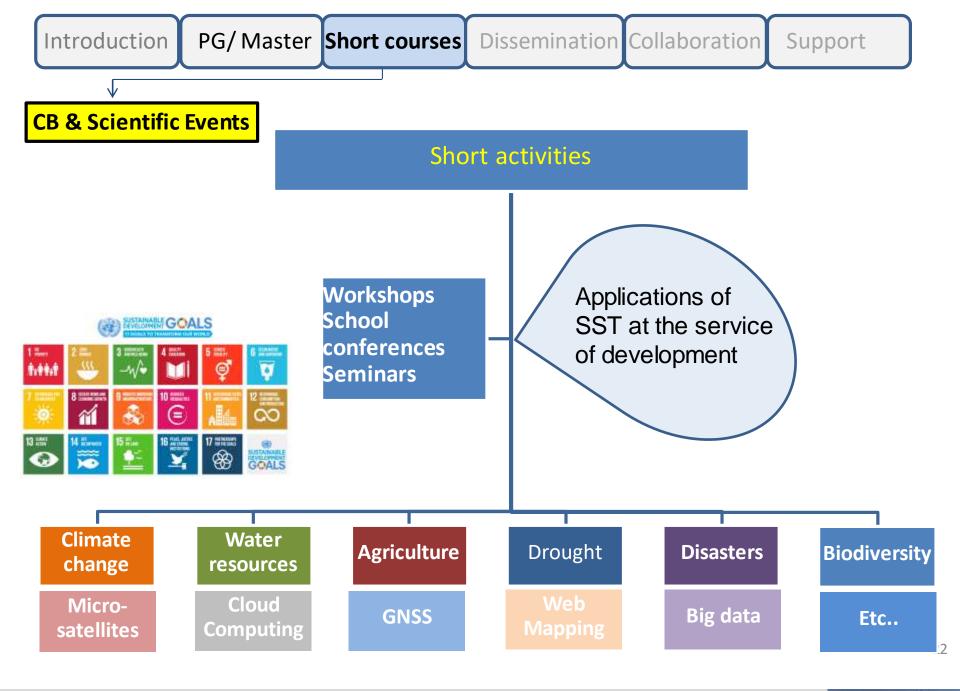




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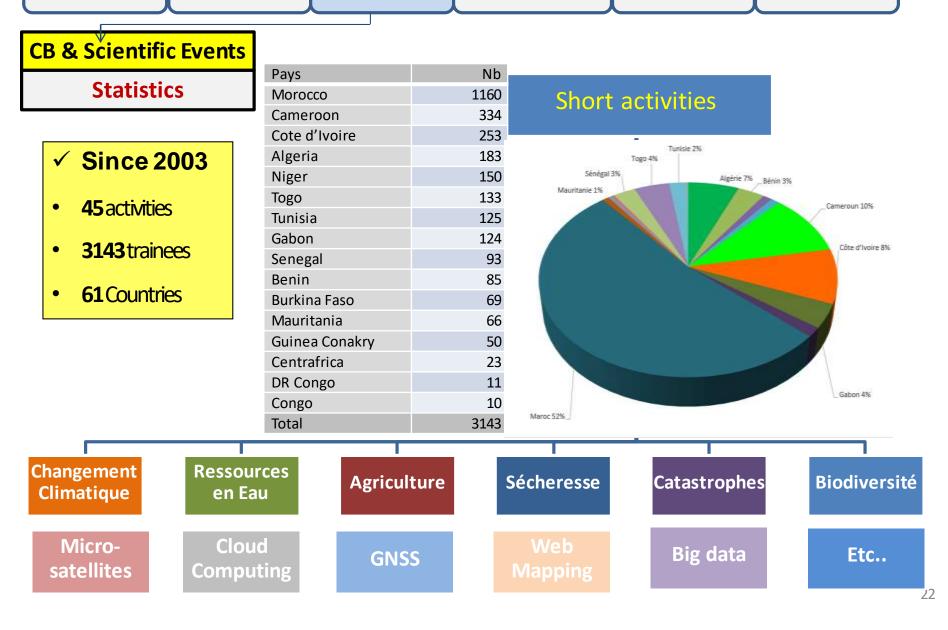
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Introduction

PG/Master Short courses



United Nations / Azerbaijan Workshop on the International Space Weather Initiative 03/11/2022

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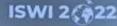
Introduction

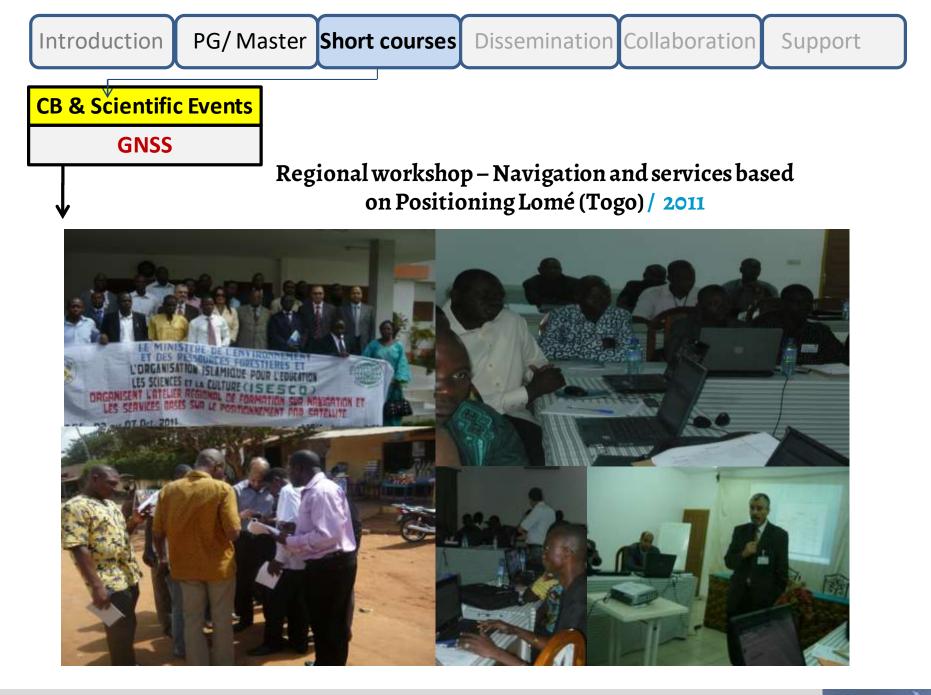
PG/Master Short courses

**CB & Scientific Events GNSS Cours International** Navigation et Services basés sur le Positionnement par Satellites Rabat, du 28 septembre au 24 Octobre 2009 artennilsit Avec le Soutien de l'Agence Spatiale Européenne et des Etats Unis d'Amérique à travers le Comité International de Navigation Globale par Satellite (ICG) esa

International Navigation and Services Course Based on Satellite Positioning Rabat-Ifrane (Morocco) / 2009









Introduction

PG/Master Short courses

CB & Scientific Events

**GNSS** 

School on Space Weather / GNSS ionosphere, atmosphere and Earth's magnetic field: physics and use of tools CRASTE-LF-Rabat (Maroc) / 2015 «» 5 editions between (2013 - 2022)







Introduction PG/Master Short courses Dissemination Collaboration Support
CB & Scientific Events
GNSS

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### Whorkshop: GPS-Ionosphère– CRASTE-LF- Rabat (Maroc) / 2017





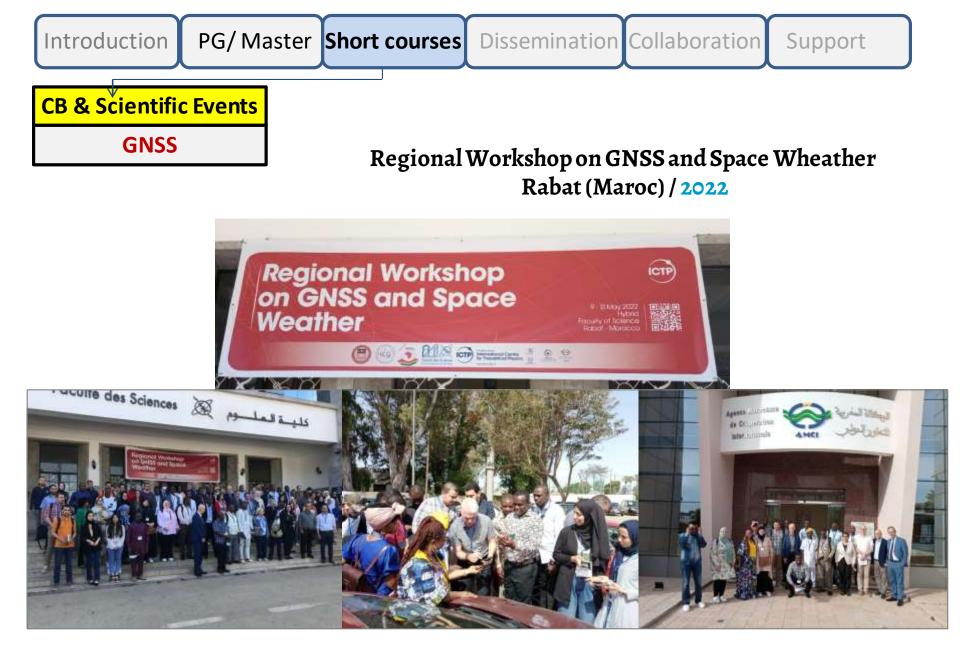


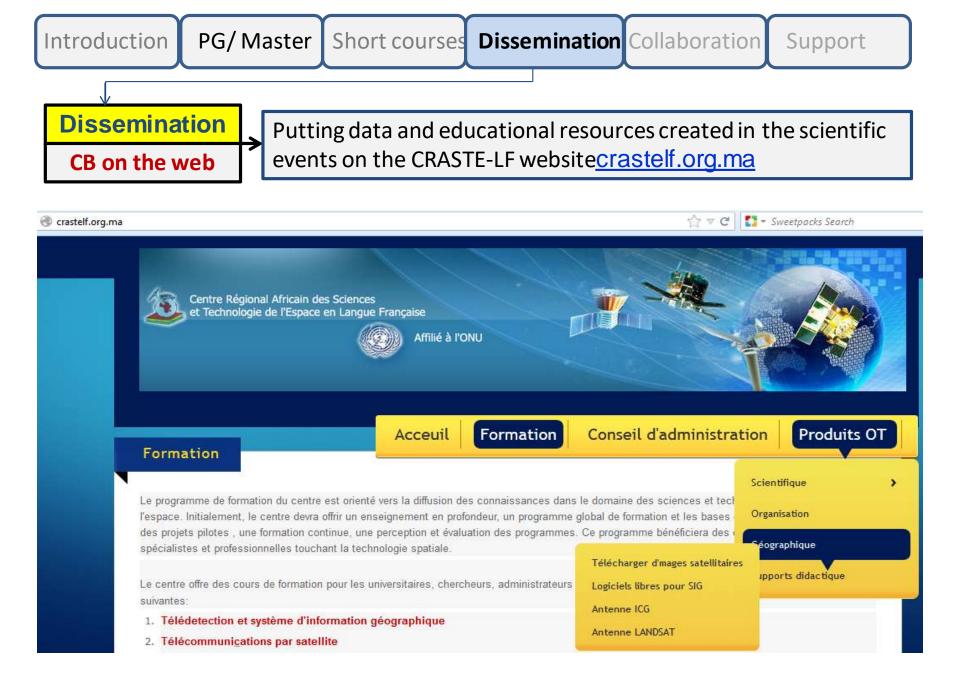
2 Regional Workshops GNSS: Foundations and Applications Ouagadougou 'GNSS- Satellite augmentation (SBAS)' with JPO / 2018

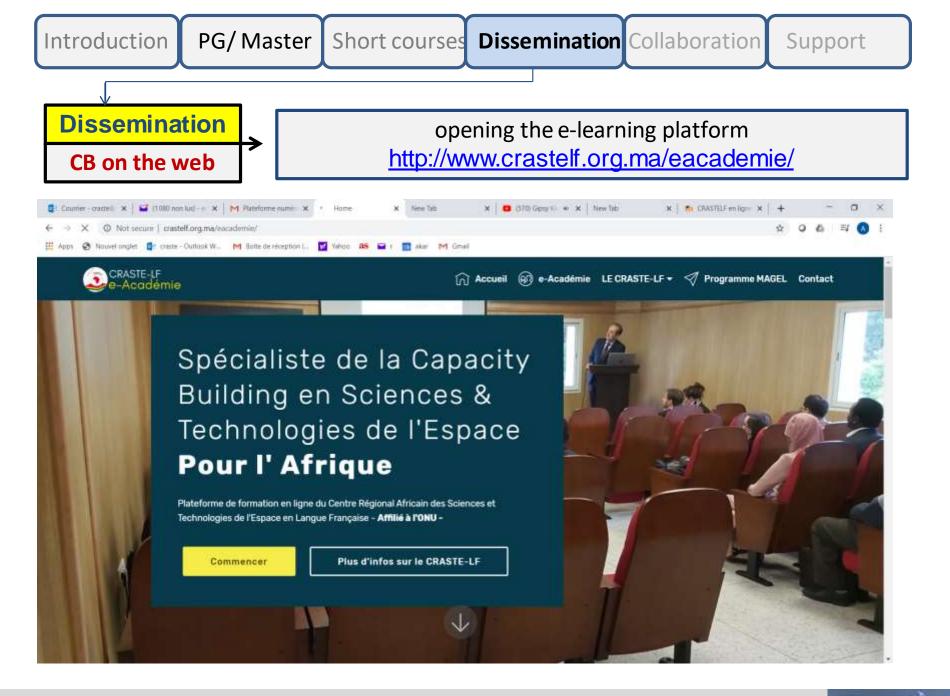
(Ouagadougou, Burkina Faso) 9 au 12/07/2018

(Dakar, Senegal) 13-15/11/2018













PG/Master Introduction Short courses

## **Collaboration** Regional

**Example:** Participation in the creation of the Geomatics and Digitalization Unit (CGDig) of MAG/EL - Niger



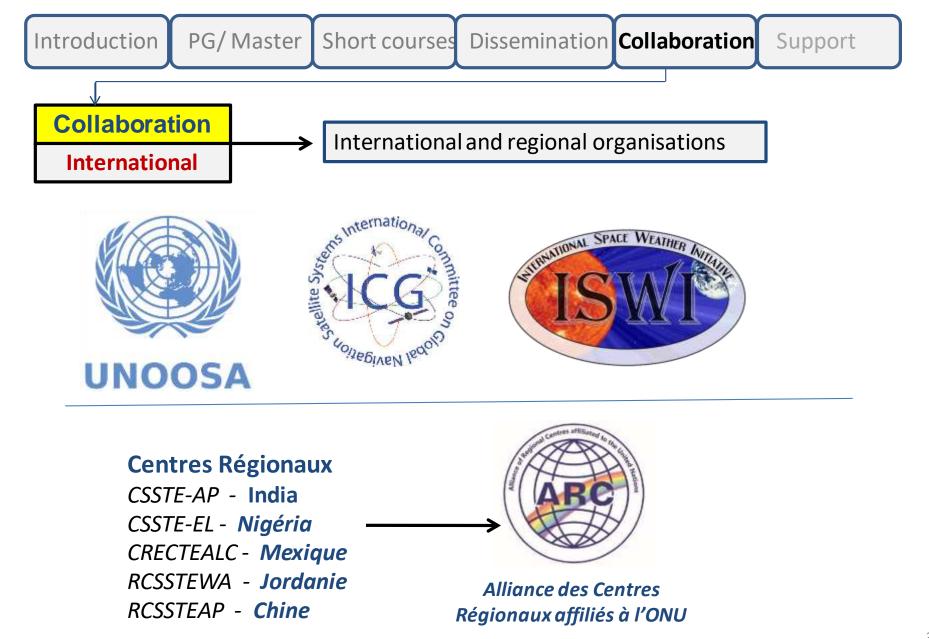
**Organisation des Nations Unies** pour l'alimentation et l'agriculture

المملكة المغربية Royaume du Maroc



وزارة الفلاحة والصيد البحري والتنمية القروية والمياه والغابات Ministère de l'Agriculture, de la Pêche Maritime, du Développement Rural et des Eaux et Forêts





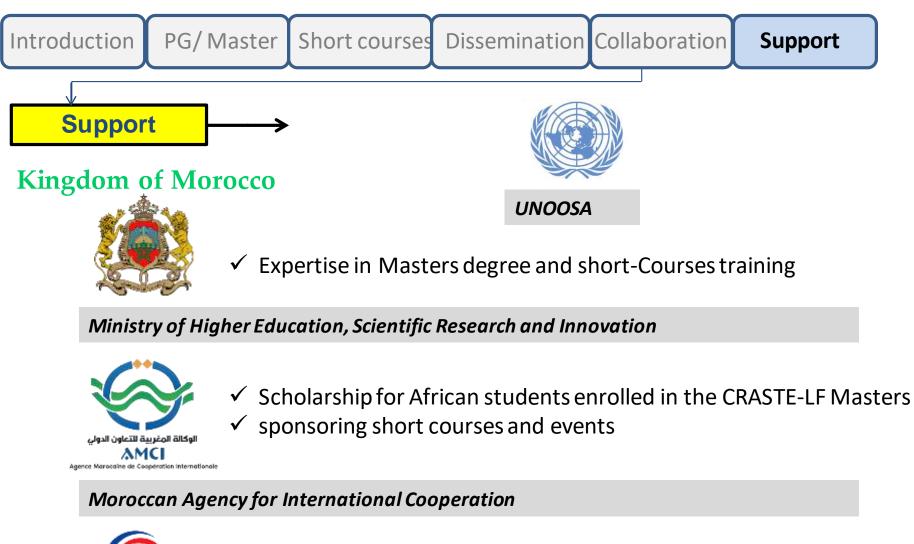
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✓ Accommodation for CRASTE-LF master's students

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# Thank you

