



UN-GGIM:Americas

REGIONAL COMMITTEE OF UNITED NATIONS
ON GLOBAL GEOSPATIAL INFORMATION
MANAGEMENT FOR THE AMERICAS

9° SESSION

UN-GGIM: Americas

AmeriGEO Advancing Inter-American Cooperación

Angelica Gutierrez, Senior Scientist

Session 5

November 28, 29 and 30
Santiago de Chile, ECLAC

Agenda

Provide an overview of 2022 Activities and looking ahead to 2023

- 2022 Accomplishments
 - Workplan
 - Capacity Development
 - Data, Información and Knowledge
 - Communications
- 2023 Collaboration



AGUASCALIENTES DECLARATION

Better together: Geospatial information for decision making in the Americas¹

The Joint Virtual Session of UN-GGIM: Americas and AmeriGEO

9 September 2020

We, the participants of the UN-GGIM: Americas and AmeriGEO Joint Virtual Session, held on 9 September 2020, having had preparatory discussions and meetings to strengthen and improve collaboration between both bodies on the use of Earth observations, geographic, statistical and other information (hereafter referred to as geospatial data), hereby issue this **Declaration on “Better together: Geospatial information for decision making in the Americas”**.

Inter-American Cooperation

Communications

Capacity Development

Data, Information &
Knowledge

Work Plans | *Joint development to build synergy*

Inter-American Academy | *Promote Open Learning*

UN DRR Toolkit | *Knowledge resources for disaster risk resilience*

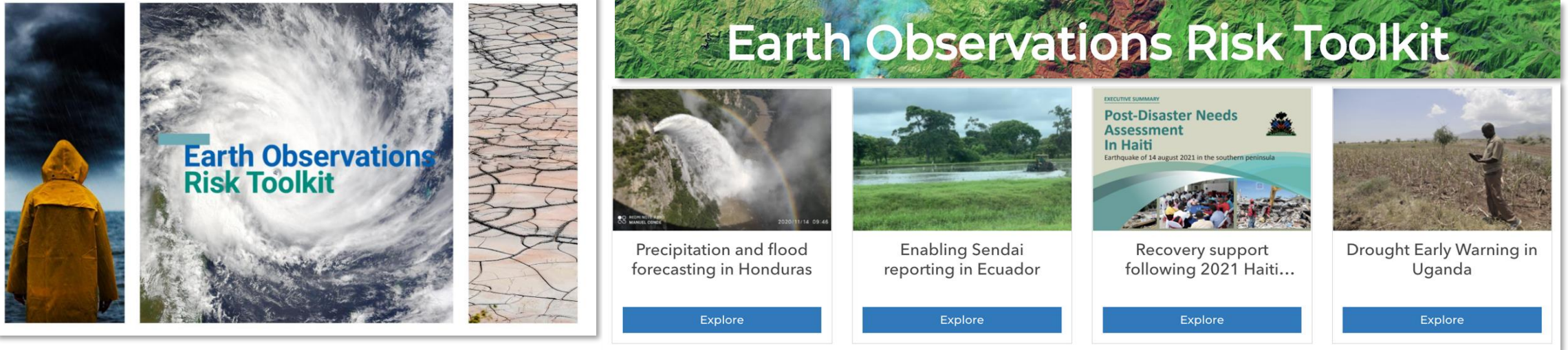
Open Science | *UN DRR Mapathon promote awareness build skills*

Sustainable Development | *Toolkit and cooperation to advance SDG's*

Disaster Risk Resilience Toolkit

Partnership to Advance use of EO for DRR

The toolkit provides users with direct access to open source EO tools, services and methodologies, as well as technical guidance, to fill knowledge gaps on hazards, vulnerabilities and exposure at country level.



The four use cases currently in the toolkit demonstrate how:

- In **Honduras**, a precipitation and flood forecasting tool helped state-owned power company manage reservoir before a major hurricane, reducing damage and economic losses;
- In **Haiti**, an EO-based service supported post-disaster needs assessment and recovery planning following the 2021 earthquake and a tropical storm;
- In **Uganda**, a crop monitoring and early warning system enabled proactive drought response, and;
- In **Ecuador**, EO methodology and tools enabled Sendai Framework reporting for indicator B-5a on the impact of flooding.

<https://earth-observation-risk-toolkit->

Disaster Risk Resilience Mapathon

Partnership to Advance use of EO for DRR



Inter-American Academy | New Beta - Desktop Version

Partnership to Advance Capacity Development

Academy

Página Principal

Área personal

Mis cursos

Administración del sitio

All courses

Usuarios

Almacenamiento

Notificaciones

Área personal

Avisos recientes

Añadir un nuevo tema...

3 de ago, 20:30

Sophia Liu

23-30 Aug 2022 Training on "ARSET - Evaluating Ecosystem Services with Remote Sensing"

Temas antiguos ...

Vista general de curso

Multi-lingual

Search

ARSET - Evaluating Ecosystem Services with ...

0521.01 | Ecology

0% completado

Sampling-based Estimation of Area and Map Accuracy

Climate Research

Surface Water Module 2: History Hydrology

Surface Water Module 3: Mentoring Hydrology

Participant

Hot Topics

Catalog of Courses

Categorías de cursos

02 | Artes y Humanidades

03 | Ciencias Sociales, Periodismo e Información

04 | Negocios, Administración y Derecho

05 | Ciencias Naturales, Matemáticas y Estadística

06 | Tecnologías de la Información y la Comunicación

07 Ingeniería, Manufactura y Construcción

08 | Agricultura, Silvicultura, Pesca y Veterinaria

09 Salud y Bienestar

Misceláneas

Todos los cursos ...

API Applied Science

ARSET

Cliante

Climate

Ecosystem Services

ECOSYSTEMS EDR

Environment Geospatial History

Hydrography ISO Remote Sensing Water

Mostrando las 15 marcas más populares

Academia

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Noticias del sitio

Curso Announcements

23-30 de agosto de 2022 Capacitación sobre "ARSET - Evaluación de los servicios ecosistémicos con sensores remotos"

Mostrar respuestas anidadas

Mover está debatiendo un...

Agente de mudanzas

Configuraciones

Programa de Capacitación en Percepción Remota Aplicada

HAGA CLIC PARA MÁS INFORMACIÓN SOBRE ENTRENAMIENTO

Los ecosistemas saludables brindan piezas esenciales para la vida diaria de los humanos, como agua limpia, alimentos, medicamentos, secuestro de carbono, protección contra el clima extremo y mucho más. La contabilidad del capital natural reconoce que estos activos deben mantenerse, administrarse y medirse para las actividades críticas de toma de decisiones. Los datos de la NASA se pueden usar para mapear con precisión los ecosistemas para respaldar una planificación efectiva y una toma de decisiones sostenible.

Grade item: Course total

Registered Participant Information

User full name	Range	Grade	Feedback	Override All / None	Exclude All / None
America Alvarez	0.00 - 10.00			<input type="checkbox"/>	<input type="checkbox"/>
Michelle Anthony	0.00 - 10.00			<input type="checkbox"/>	<input type="checkbox"/>
Xavier Bustos	0.00 - 10.00			<input type="checkbox"/>	<input type="checkbox"/>
Bakal D	0.00 - 10.00			<input type="checkbox"/>	<input type="checkbox"/>
Albert Degarmo	0.00 - 10.00			<input type="checkbox"/>	<input type="checkbox"/>

Role-based Users ☒ | Download Courses ☒ Limit Download ☒ Refresh Content ☒ Progress Tracking ☒

Inter-American Academy | *New Beta - Desktop Version*

Partnership to Advance Capacity Development

Academia Hogar Tablero Mis cursos Administración del sitio Todos los cursos

Usuarios Almacenamiento

Academia Página Principal Área personal Mis cursos Más ▾

Usuarios Almacenamiento

Modo de edición

Cursos disponibles

ARSET - Evaluación de los servicios ecosistémicos con sensores remotos



Descripción

Los ecosistemas saludables brindan piezas esenciales para la vida diaria de los humanos, como agua limpia, alimentos, medicamentos, secuestro de carbono, protección contra el clima extremo y mucho más. La contabilidad del capital natural reconoce que estos activos deben mantenerse, administrarse y medirse para las actividades críticas de toma de decisiones. Los datos de la NASA se pueden usar para mapear con precisión los ecosistemas para respaldar una planificación efectiva y una toma de decisiones sostenible.

Esta capacitación describirá los conceptos básicos de los servicios ecosistémicos y la contabilidad del capital natural. También proporcionará una descripción general de cómo se pueden usar las Observaciones de la Tierra (EO) para respaldar marcos e iniciativas globales, como los estándares establecidos por el Sistema de Contabilidad Económica Ambiental de las Naciones Unidas (UN-SEEA). Los participantes recibirán información sobre técnicas y herramientas para usar EO en la contabilidad del capital natural, como el uso del mapeo de la cobertura terrestre, el análisis de series temporales y los esfuerzos de modelado realizados con el Proyecto de Capital Natural a través del software InVEST, la Inteligencia Artificial para el Medio Ambiente y la Sostenibilidad (ARIES) Proyecto, y más. Se proporcionarán ejemplos de estudios de caso para resaltar los esfuerzos locales específicos, como la valoración de los polinizadores nativos, las cuentas de los ecosistemas urbanos, la valoración de la resiliencia costera y los hábitats de los arrecifes de coral, y la conservación de los bosques y el secuestro de carbono.

Gerente: Madison Fung

Organización : EE.UU. | NASA

Sitio web de la organización
<https://appliedsciences.nasa.gov/>

Logotipo de la organización



Course

Multilingual

Institutional

Course Curriculum & Activities

SOBRE

Anuncios

Bienvenidos

Introducción

Descripción del curso

Audiencia

Objetivos

Agenda

Formato del curso

Parte 1: Introducción a lo...

1.1. | Descripción general de...

1.2. | Contabilidad de ecosist...

1.3. | Marcos e iniciativas glo...

1.4. | Observaciones de la Ti...

Evaluación

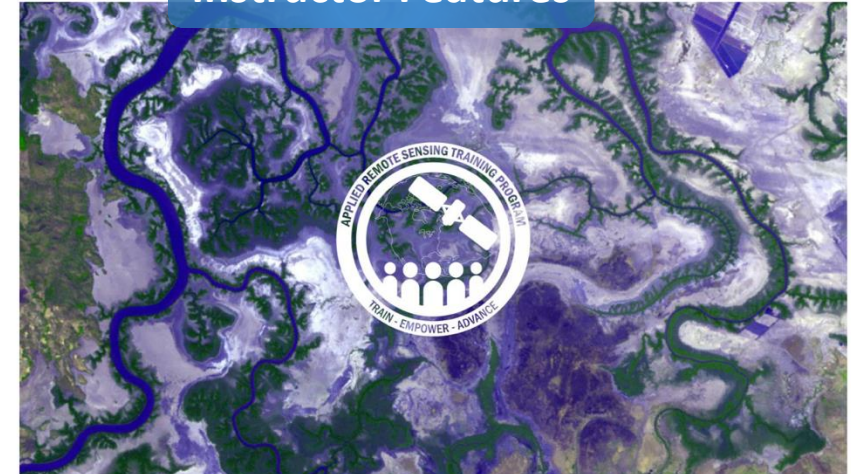
05 | Ciencias Naturales, Matemáticas y Estadística / 052 | Ambiente / 0521 | Ciencias Ambientales / 0521.01 | Ecología

ARSET - Evaluación de los servicios ecosistémicos con sensores remotos

Curso Configuración Participantes Calificaciones Informes Más ▾

SOBRE

Instructor Features



DESCRIPCIÓN

Los ecosistemas saludables brindan piezas esenciales para la vida diaria de los humanos, como agua limpia, alimentos, medicamentos, secuestro de carbono, protección contra el clima extremo y mucho más. La

Presenter Info ☒ | Notes ☒ Other Resources ☒ Transcript ☒ Publish Multilingual ☒ Open Standards ☒ Portable

Inter-American Academy | *New Beta - Desktop Version*

Partnership to Advance Capacity Development

The screenshot displays the GeoPathways 2022-2023 desktop interface. The top navigation bar includes links for Home, Dashboard, My courses, Site administration, and All courses. The main content area is divided into several sections:

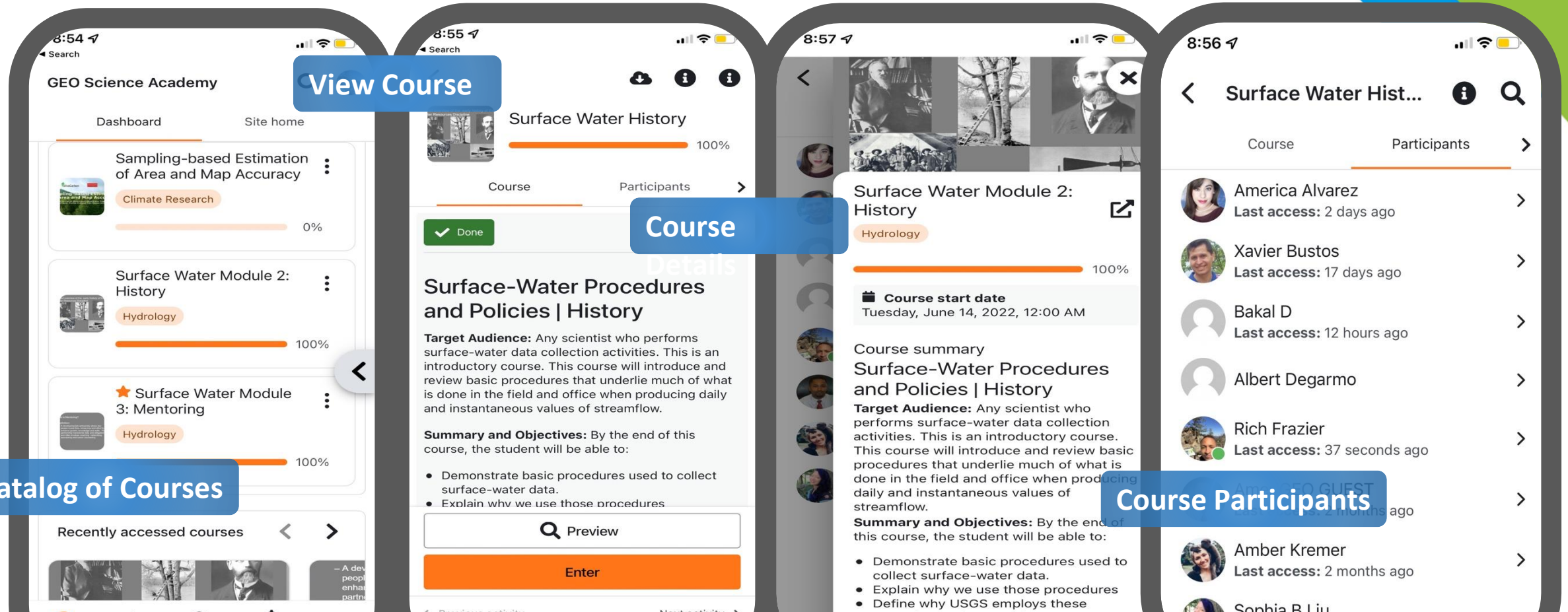
- Left Sidebar:** A list of course dates from August 1 to November 27, with 'August 15 - 21' highlighted as 'This week'.
- Course Details:** A section titled 'GeoPathways Orientation' with tabs for Course, Settings, Participants, Grades, Reports, and More. Below this, a 'MISSION' statement and 'PROGRAM OBJECTIVES' are listed.
- Connect with mentors/network:** A graphic showing a group of people, with labels for 'Mentoring & Networking', 'Education & Training', 'Application', and 'Research'.
- Latest announcements:** A section titled 'Announcements and Discussion' showing a post from Rich Frazier dated 10 Aug, 23:25.
- Calendar:** A calendar for August 2022, with the 18th highlighted.
- Participant Profile:** A section titled 'Participant' showing the profile of Amber Kremer, including her photo, name, and details like Country (Peru) and Institution (AmeriGEO | USGEO | USGS).
- Training Certificate:** A section titled 'Training Certificate' showing a certificate for Andrés Santiago Avendano Gomez, dated 28 de junio - 2 de julio de 2021.

Callouts are placed over the interface to highlight specific features: 'Supports Recurring Training' points to the course list; 'Supports Co-Development of Courses' points to the course details; 'Announcements and Discussion' points to the latest announcements; 'Calendar' points to the calendar; 'Participant' points to the participant profile; and 'Training Certificate' points to the certificate.

Piloting, translations & support will be provided by our GeoPathways Americas Students and Interested Partners

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Supporting Offline Remote Participants



Role-based Users ☒ | Download Courses ☒ Limit Download ☒ Refresh Content ☒ Progress Tracking ☒

Inter-American Academy | *New Beta - Desktop Version*

Supporting Offline Remote Participants

Module Overview

SW1660 - Module 2

1. Daily water discharge was being recorded in places like the Rhine River as early as 1809
2. The first known records of daily discharge in the US based on actual velocity measurements at various stages were likely made on the Ohio River near Wheeling, WV in 1849.
3. John Wesley Powell completed a highly controversial report "Report on the Arid Region of the Lands of the United States" in 1878.
4. Powell's ideas would mean that the west would be settled based upon drainage areas, not based on laying out a township and range grid.
5. Powell's idea generated little interest, because the next 10 years were relative wet and settlers and Congress believed that "Rain follows the plow". They, therefore, did not need streamgaging.

Course Resources

Here are some useful links and documents:

 Module 2 Slide Notes (PDF)

- Presenter Bio
- Notes
- Menu
- Resources
- Exit

Course Chapters

- MENU TRANSCRIPT
- SilvaCarbon Program
- Inference necessary while working with remote sensing?
- 6. VIDEO: Why is this necessary
- 7. Statistical Inference is Necessary Because
- 8. Terminology
- 9. Terminology (continues)
- 10. Accuracy Assessment
- 11. Now, Let's Think About Estimators and Estimates
- 12. Another important property of an estimator
- 13. Objective of Accuracy Assessment and Area Estimation
- 14. Error Matrix

Course Transcript

MENU TRANSCRIPT

Accuracy Assessment

At each unit in the sample, we have to observe reference conditions which are the most accurate assessments of true conditions; the labeled sample units are the reference classification and make up the sample data

Reference data is the information used to obtain the reference class

By comparing the map and reference labels we can display the sample data in an error matrix

We apply estimators to the sample data to estimate area and map accuracy

More relevant definitions can be found in the link shown on the screen.

Summary

Provide an overview of 2022 Activities and looking ahead to 2023

- 2022 Accomplishments
 - Workplan
 - Capacity Development
 - Data, Información and Knowledge
 - Communications
- 2023 Priorities



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Thank

You

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Session 5

Institutional
logo

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Capacity Development

- Development of a workplan
- Joint meetings to discuss opportunities to
- Promoting Regional Open Learning Opportunities