



The CIDCO's category B program in hydrographic surveying

HYDRO22 CONFERENCE

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Monaco, 6th December 2022

Introduction

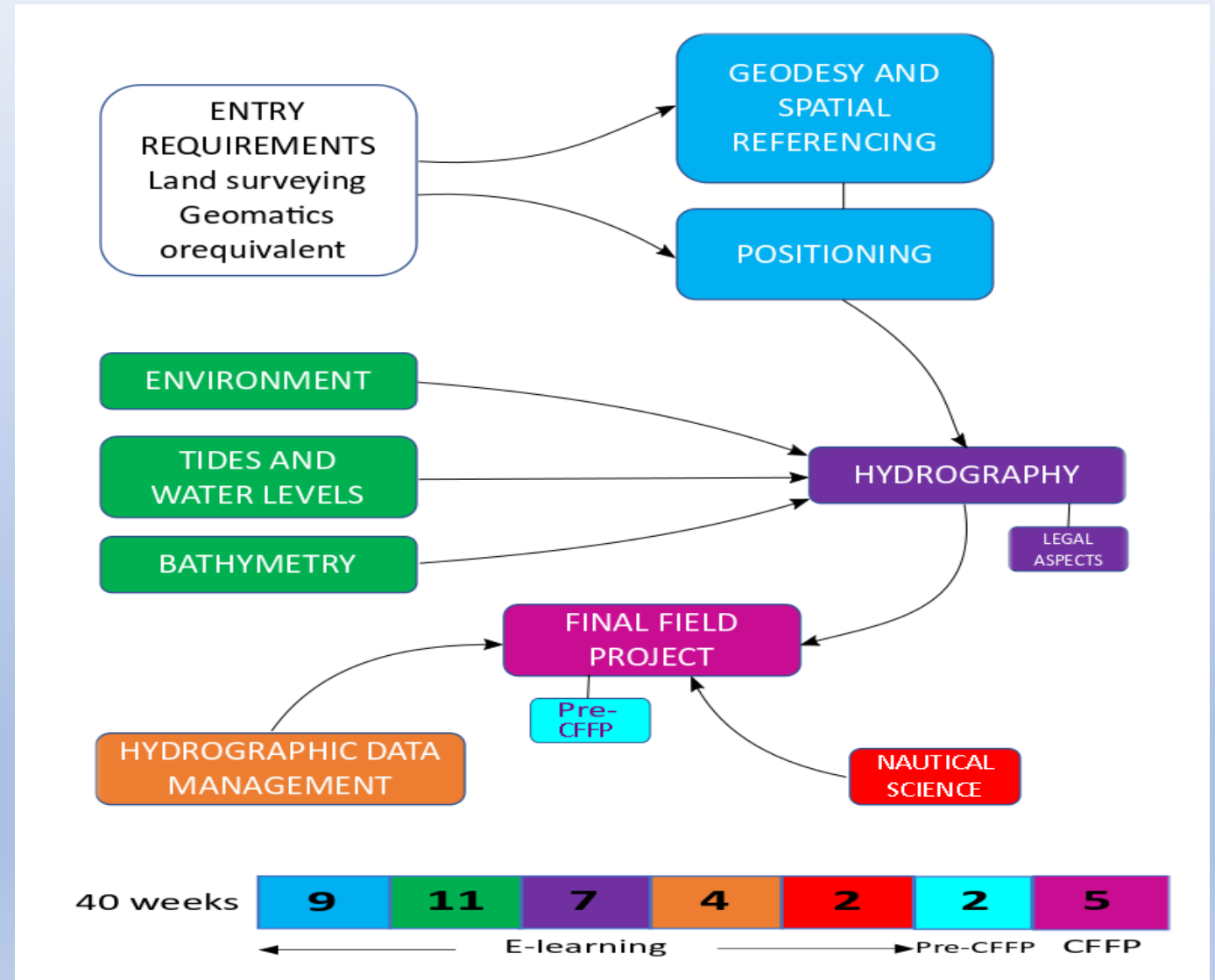
- Technology transfer from research to the private sector and training on new technologies in hydrography and ocean mapping.
- Provide specialized training in the collection and processing of hydrographic data to students from all over the world.
- Train qualified hydrographers and polyvalent technicians.
- Offering a recognized course in Canada, delivered in French and in English.

Course information

Name of the Program	CIDCO Course in hydrographic surveying
Institution	CIDCO
Recognition year	2014/2022
Level of recognition	Category "B"
Duration of the Program	40 weeks
Duration of the final field project (CFFP) and Practicals (Pre-CFFP)	7 weeks
Country of the institution	Canada
Language(s) in which the Program is delivered	<u>French and English</u>
Program capacity	15 students maximum

Course Structure

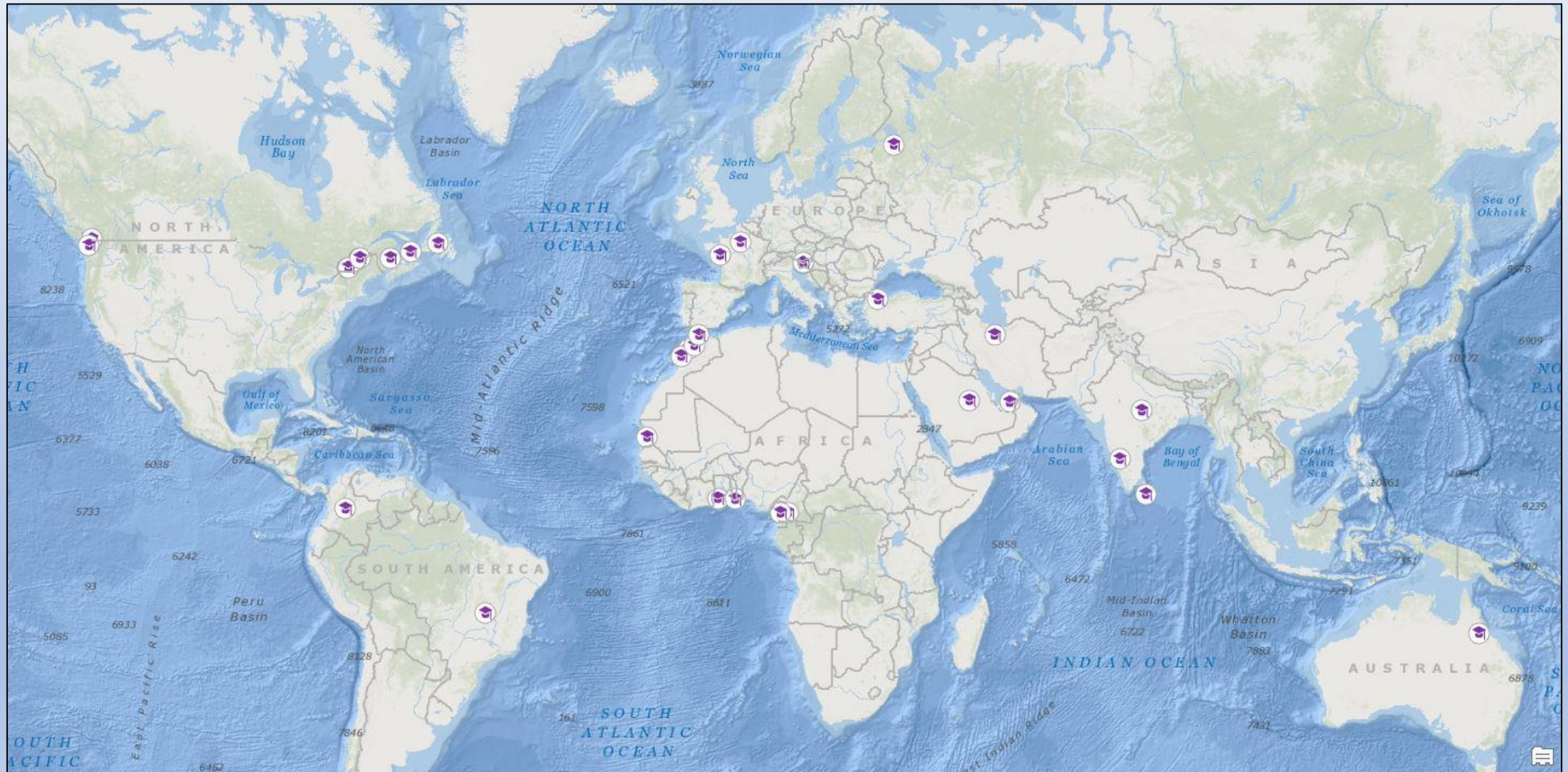
- **E-learning**
9 Modules that cover all the theory and hydrographic concepts.
- **Practical training**
Hands-on exercises to put into practice the learned theory
- **Final Field Project (CFFP)**
Carry out the various hydrographic surveying task



Learning outcomes

- Knowledge of operational principles of hydrographic systems components;
- Ability to set up a hydrographic system on a survey vessel;
- Ability to conduct hydrographic surveys in accordance with the new version of IHO hydrographic standards and hydrographic instructions, and in accordance with safety rules at sea;
- Being able to perform quality control and quality assessment of hydrographic data;
- Perform data processing using dedicated software;
- Knowledge of the marine environment in a context of a hydrographic survey.

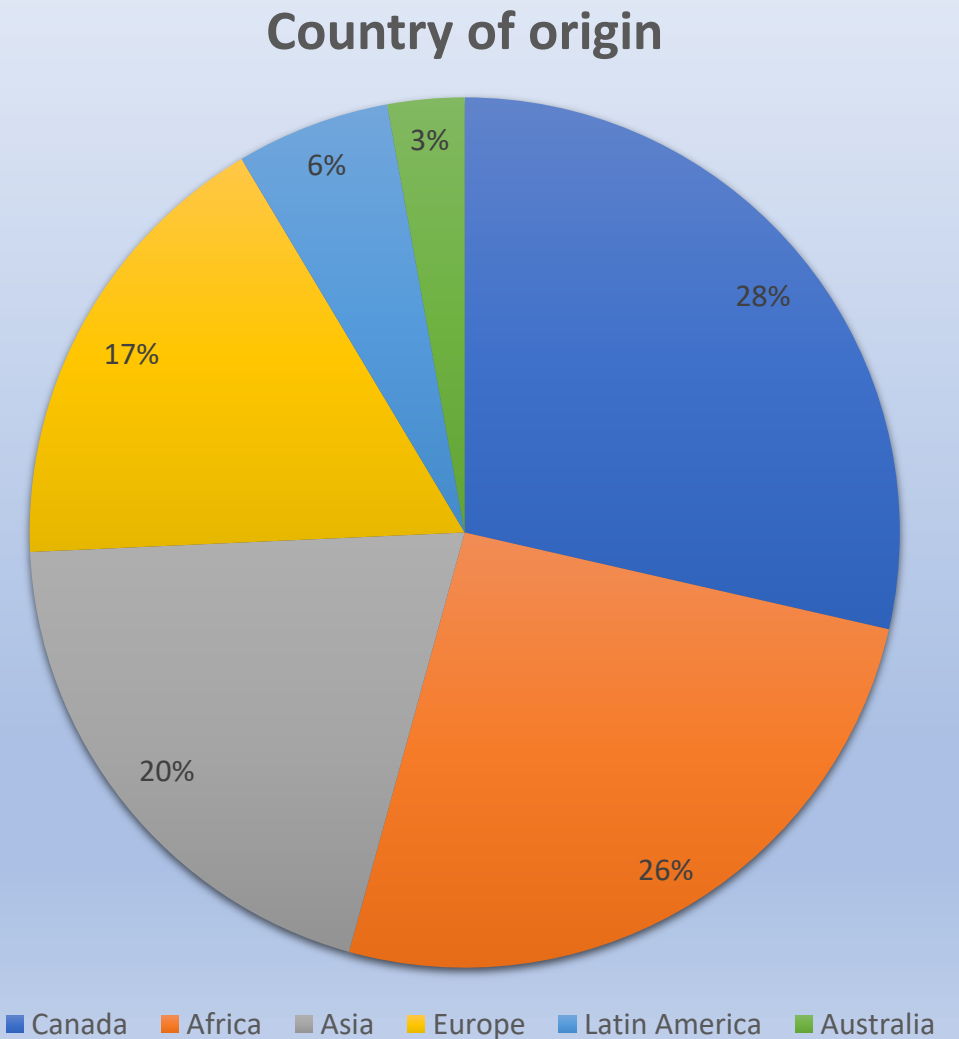
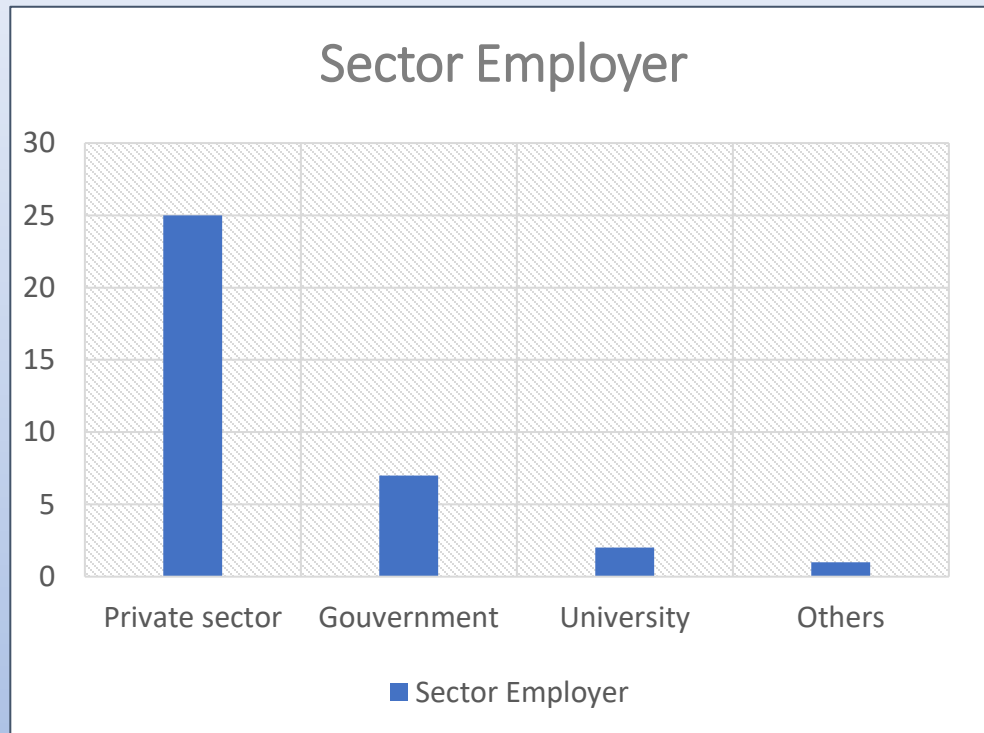
Students Country of Origin



Students profiles



Capacity Building



Blended Learning



Quiz navigation

1 2 3

Finish attempt ...

Question 1

Not complete

Marked out of 1.00

Flag question

In the following geo-referencing equation:

$$X_n = P_n + C_{nS}^n \begin{pmatrix} 0 \\ 0 \\ \rho \end{pmatrix}$$

What is the term that does not depend on time?

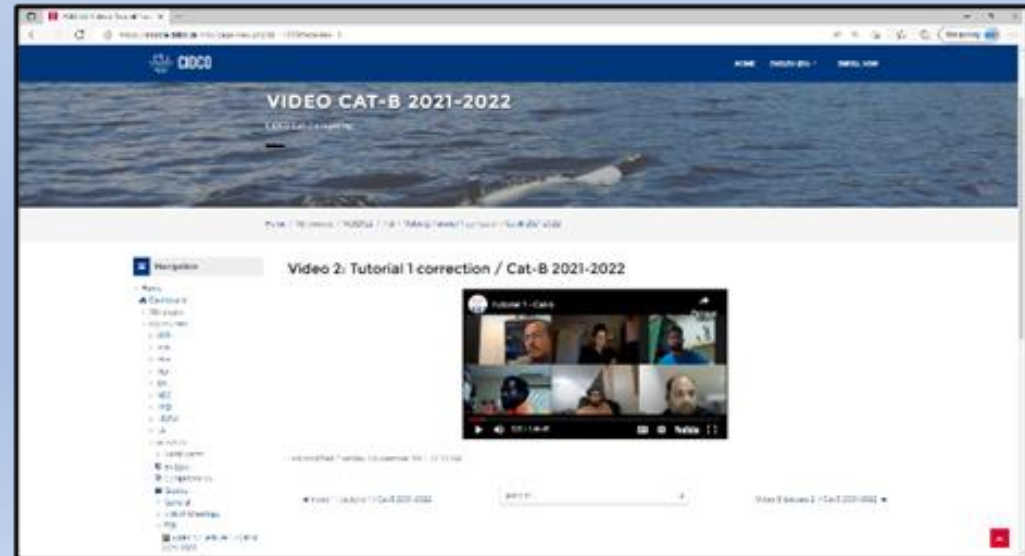
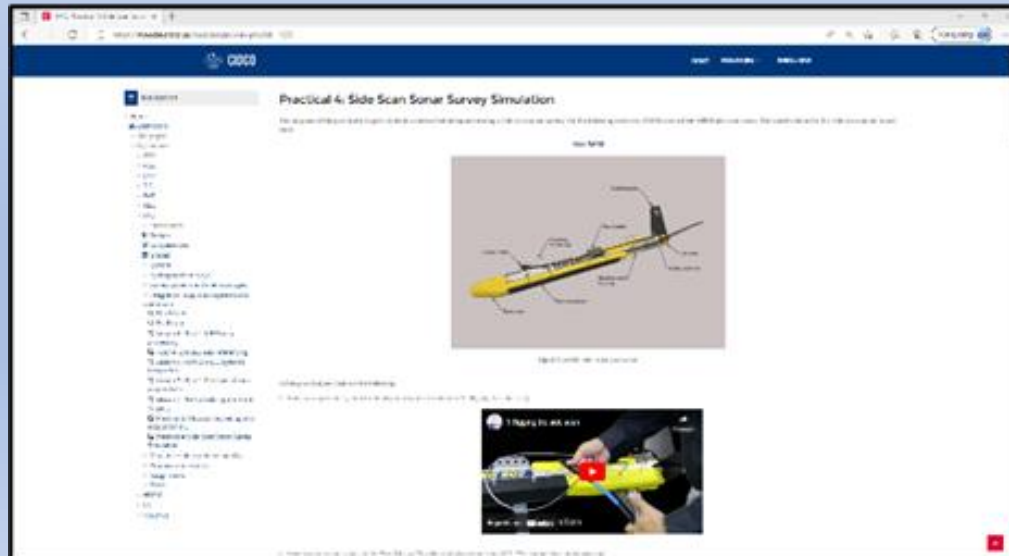
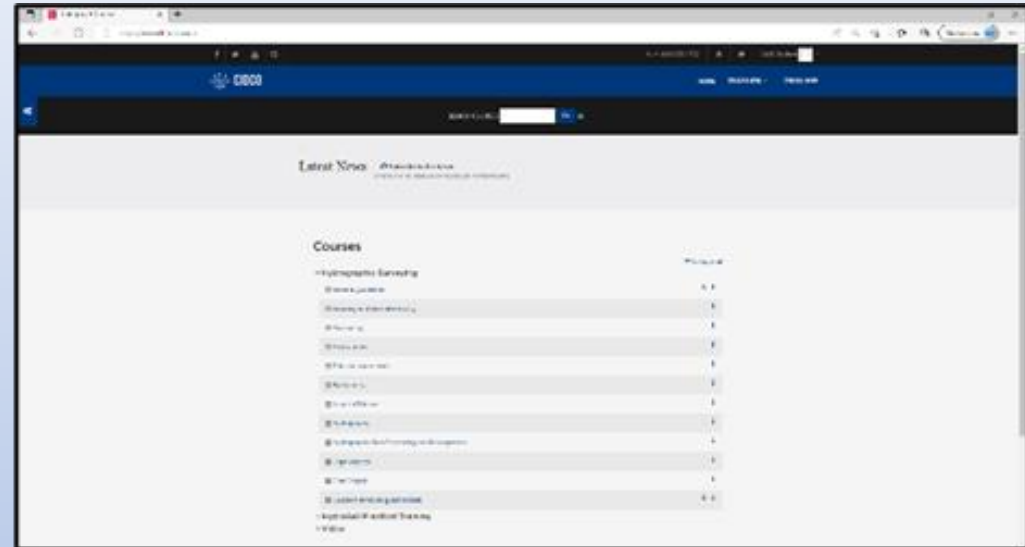
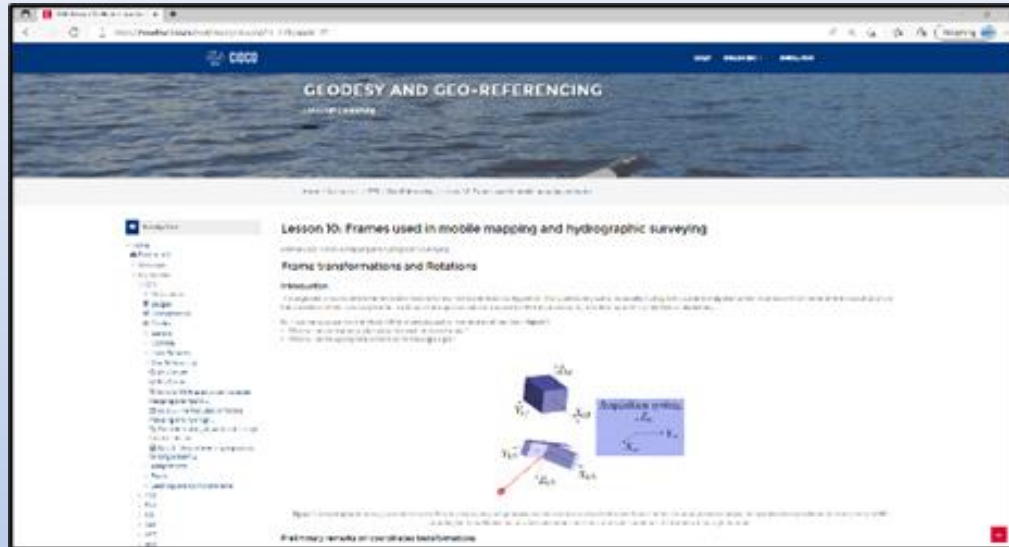
Select one:

- ☐ a. The SBES range ρ
- ☐ b. The IMU to navigation frame transformation matrix C_{nS}^n
- ☐ c. The position P_n
- ☐ d. The boresight angle frame transformation matrix C_{nS}^n

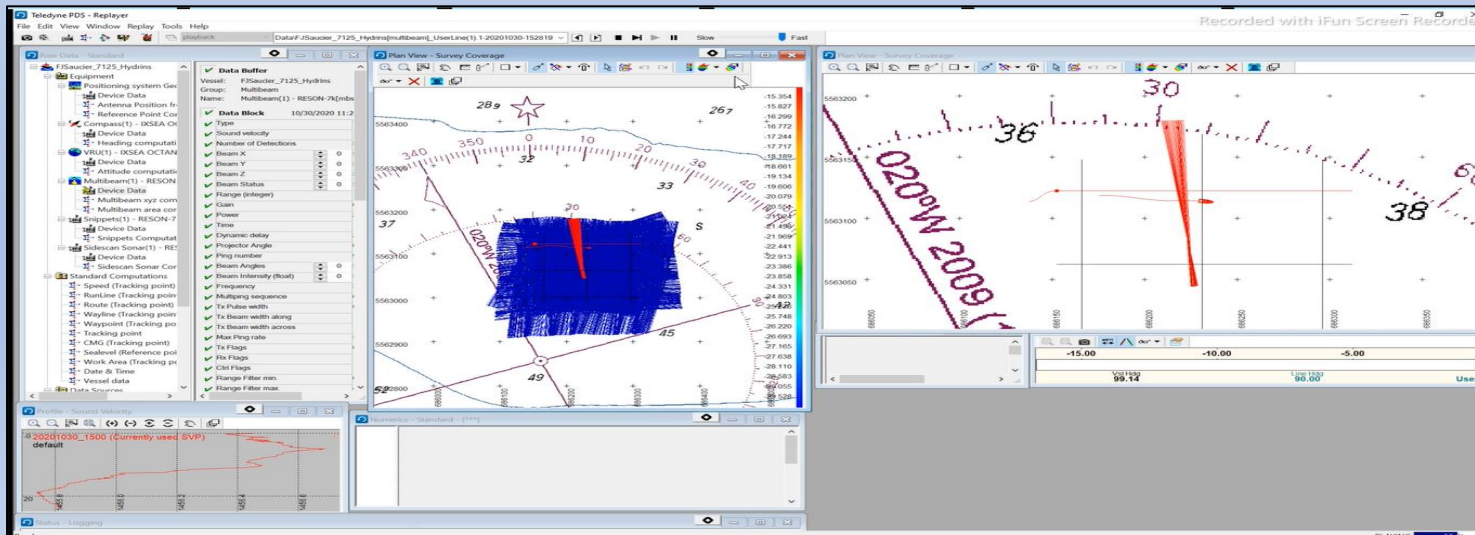
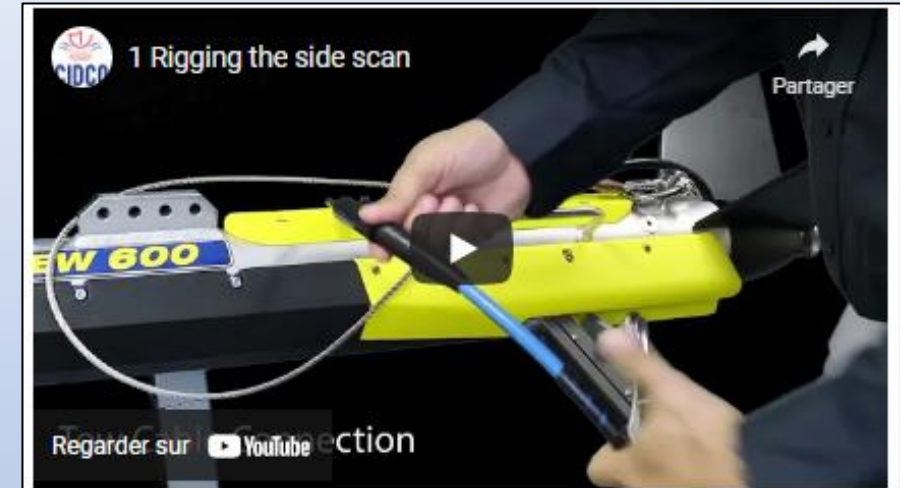
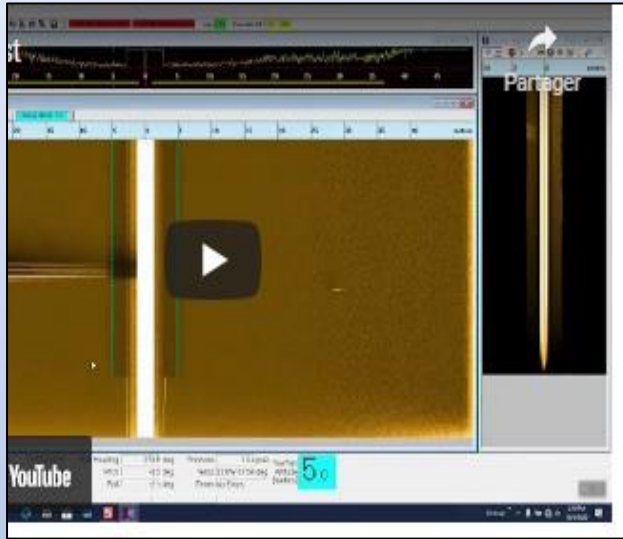
Check

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E-learning Platform



Simulations Exercises



Now fish and Top side Unit (watch the video N°2 : TPU connections and power-up);



Final Field Project



CFFP 2022 Class

Thank you! / Merci!

