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WP4 CAPACITY BUILDING

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Overview



TASKS:

- Task 4.1 Selection of Training/Teaching Methods
- Task 4.2 Content and Amount of Training/Teaching (Curriculum)
- Task 4.3 Final Activity Schedule
- Task 4.4 Evaluation
- Task 4.5 Development of overall capacity building strategy
- *Two papers on Capacity building for HYDRO conferences

Teaching plan for the short course



				Days-¤		¤
ğ	Topic¤	Responsibility¤	Online¤	Face-to-faces	Onlinex	¤
			Preparation- before-courses	Short- course-¤	Assignment s-after- coursex	¤
	Basics-of-hydropower- exploitation¤	IHE¤	0.5¤	0,5¤	-¤	¤
	Hydrology¤	IHE¤	0.5¤	1¤	1¤	Ħ
	GIS&HP-potential¤	ADNA	1¤	0.75¤	1¤	¤
	Hydraulic∙design¤	IHE¤	1¤	1¤	1¤	Ħ
Week-1	Computer-based-tools-for- hydropower-resources¤	VDU¤	1¤	0.75¤	1¤	¤
	Dams-and-storage-basing	IHE¤	1¤	1¤	1¤	Ħ
	Weirs-and-water-intakes¤	SF¤	0.5¤	0.5¤	0.5¤	Ħ
	Power-waterways¤	IHE¤	1¤	0.5¤	1¤	Ħ
	Total-week-1¤		6.5 ¤	6.0⊭	6.5¤	ŭ

Ħ	Торіся	Responsibilitys	Days-¤			
			Onlinex	Face-to-faces	Online¤	
			Preparation- before-courses	Short- course-¤	Assignment s-after- courseध	
Week-2i	Hydraulic-Units#	IMP¤	0.5 ¤	1#	1.01	
	Electrical-equipment-&- lines#	IMP¤	-#	0,5 ¤	0.5 ¤	
	Environmental-and-social- impact¤	IHE¤	1¤	-¤	1¤	
	Hydropower-systems#	SF¶ IHE¤	1¶ #	1.5¶ 1.0¤	1.5¶ 0.5¤	
	Operation-and- maintenance x	IMP/TRMEW/S F¤	-11	1 ¤	1 ¤	
	Financial-analysis ¤	1to3¤	- ¤	-¤	1 n	
	Design-training x	SF¤	-¤	1 x	3 ¤	
	Total-week-2¤		2.5¤	6¤	9.5¤	
·	Total-study-load-(week-1+-	9¤	12¤	16¤		







Schedule



AFRICA

- Uganda, online January 2022
- Cameroon, Face to face January/February 2022

SOUTH AMERICA

- Bolivia, Cochabamba, June 27th to July 3rd
- Ecuador, Quito, August 8th to 14th

Impressions from Africa Course







HYPOSO Capacity Building Course Week 1 – Online lectures for SHP professionals from Cameroon & Uganda

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Impressions from S. America Course





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Implementation of objectives



Capacity Building Courses (WP4)

Realisation of Capacity Building Courses.









- Single reactions very positive and with lot of thanks to the lecturers and organisation
- Questionnaire very positive with less comments for improvements
- All topics have been seen as very important and interesting
- In South America the course was a possibility for networking between countries but also the initiation for the networking between participants inside countries. In the both countries a network of the experts and interested people have been established and these networks should work further together. Also contacts between HYPOSO partners is intensified.

Comments/reactions on the Course



Course review:

- more than **50 participants** have taken part in the each of two-week course (127 participants registered totally). Most of the participants had MSC degrees and relatively uniform distributed experience stage, small overweight in junior age which has been seen as an advantage.
- Representatives ranging from government regulatory agencies and research institutions to private developers actively participate.
- Participants physically converge under one roof during the training was a big advantage compared to the online course. Face-to face-participation has advantage that the participants are out of their standard environment and are much stronger concentrated on the course
- Video lecturing had advantage that also the participants not sponsored by the project were able to participate the whole course (one week online and one week face-to face in their own country
- In some instances, however, the intermittent **internet connections** would occasionally disrupt the flow of the lectures; This also affected the response to assignments given online.
- The **practical design training** appeared to be the most engaging and challenging part.
- The participants are very satisfied with the course, and especially admired the knowledge and praxis exchange between the two
 countries.
- the availability of all teaching material and full transparency during lecturing have been seen as a specialty of the course.
- Some of the participants complained about the **short available time** for so intensive training, but also like the possibility that the course material will stay available for a longer period and the possibility to communicate with the lecturers also after the course.
- Nevertheless, it was a very concise and comprehensive exercise, one of the highlight deliverables of the HYPOSO project! (Dan and Joseph)







Questionnaire (in Moodle):

- Positive response on all of questions, strongly agree to agree (neutral)
- Slightly negative answers (1-2) on course organisation and discussions
- All like to recommend course (mostly strong recommended)
- Field trip very positive evaluated and seen as important part of the course
- Positive and negative issues biased by individual interest of the participant
- Which topic you want to learn more about all topics specified
- General thanks to all lecturers on patience and availability during the course



Conclusion



Course organization and implementation:

- success on both continents,
- Learning effective setup (2*1 week + site visits)
- The face-to-face course was better evaluated than the online course, but online courses has an advantage that could be used in the future for the deepening of knowledge and also for the education of the new staff
- Course organization with preparation, course and post assignments increase the teaching load and improve the learning efficiency
- Interaction between course participants of the continent, but also in each of the countries.
- Interaction between course participants and HYPOSO partners
- Interaction between course participants and European hydropower community
- Full transparency of the course and availability of the material will increase the course value
- Practical design training has been seen as summary of all learned and is important part of the training
- Need for the continuous further development of the participants by further courses/events and also refreshments have been seen by participants as a requirement in the future







The course material stays available for the course participants and the new participants.

The course will stay on the IHE Open Course Ware (OCW) platform.

Selection of the possible additional participants, criteria, countries, and requirements have to be defined in the next steps



DISCUSSION





Thank you!

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