

HYPOSO project – overview and the Promotion/Matchmaking Platform for the EU SHP Industry



Ingo Ball

HYPOSO Project Coordinator

WIP Renewable Energies

13 October 2021, Gdansk

www.hyposo.eu

#hyposoEU



Outline

- General information & structure
- Objectives & impact
- The HYPOSO Platform



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General information

- Project title: **Hydropower solutions for developing and emerging countries**
- Project acronym: **HYPOSO**
- EU funded project within the **H2020** programme
- Grant Agreement (GA) No: **857851**
- Starting date of the project: **1 September 2019**
- Duration: **45 months**
- Participants: **13 (5 research organisations – 8 enterprises (4 SME))**
- 11 Countries: **Belgium, Bolivia, Cameroon, Colombia, Ecuador, Germany, Italy, Lithuania, the Netherlands, Poland, Uganda**

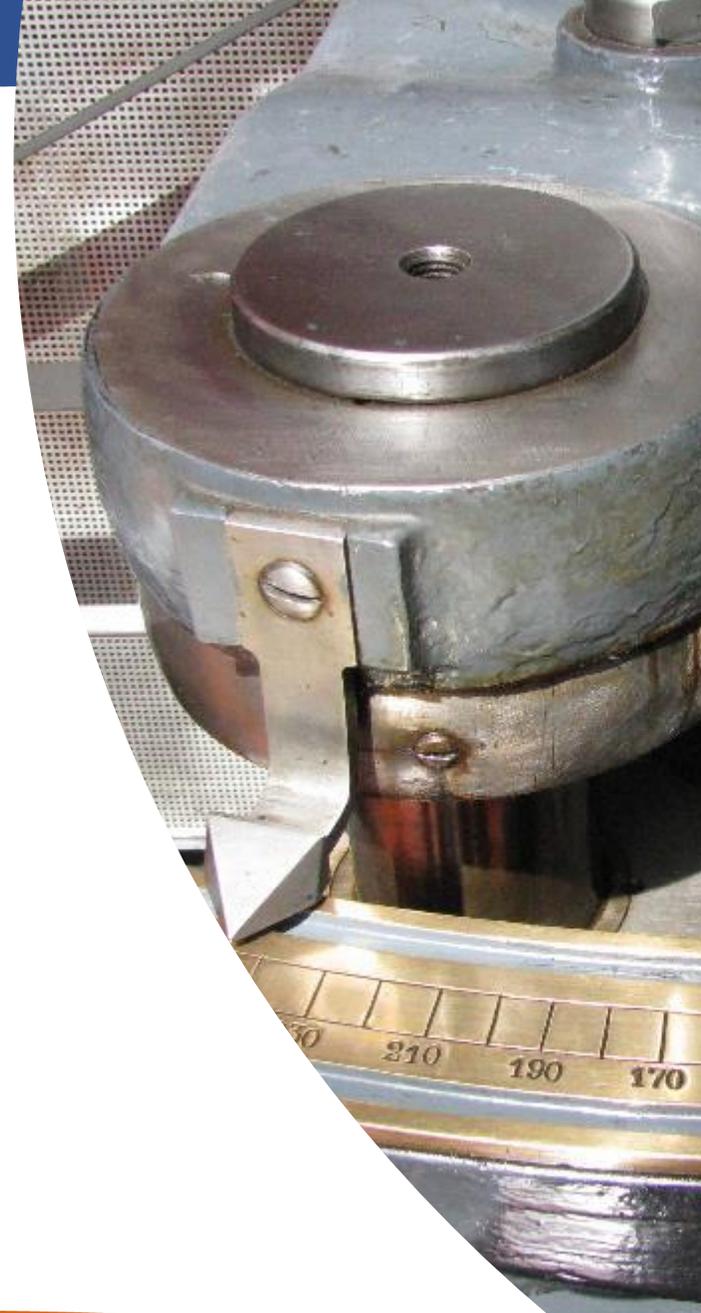
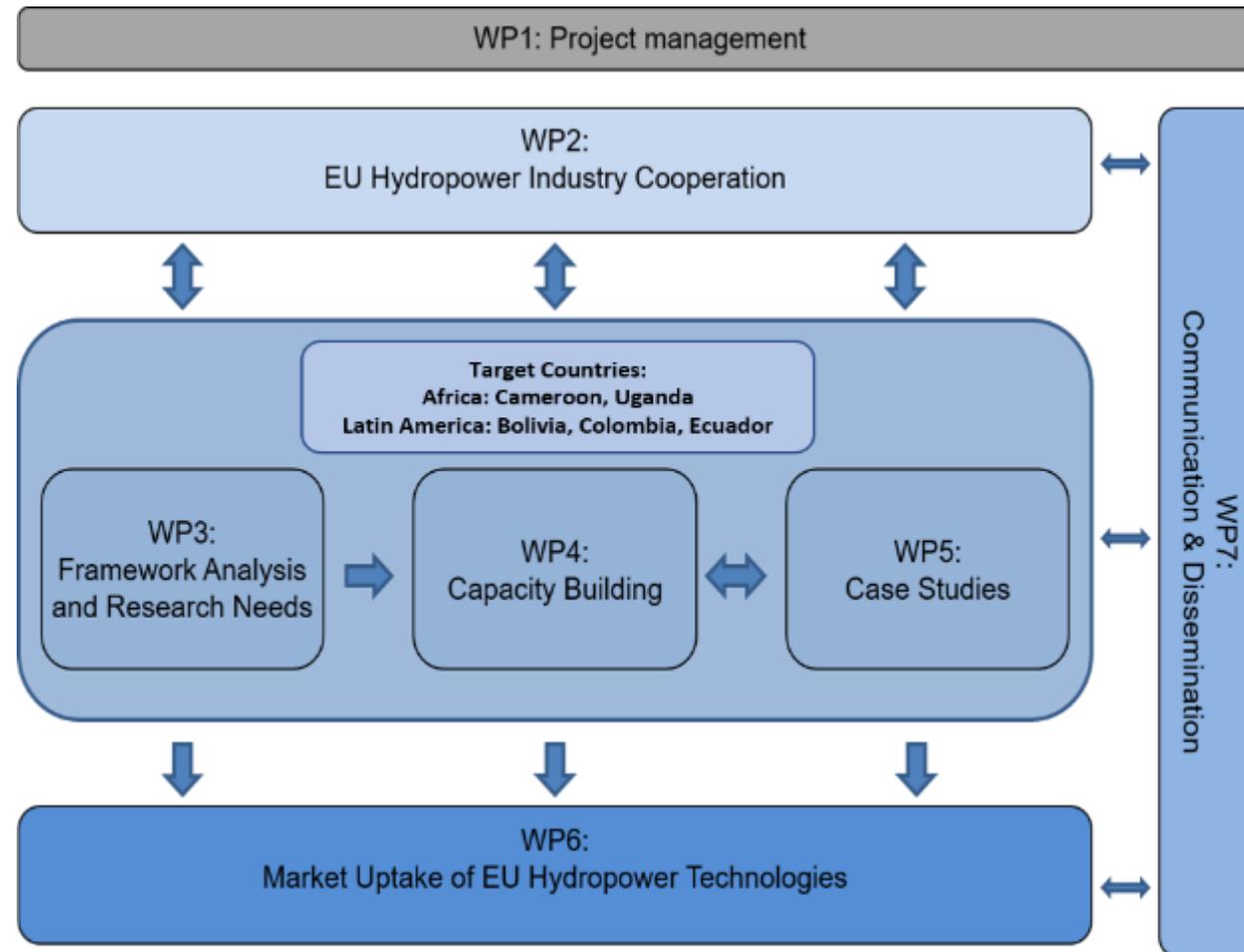


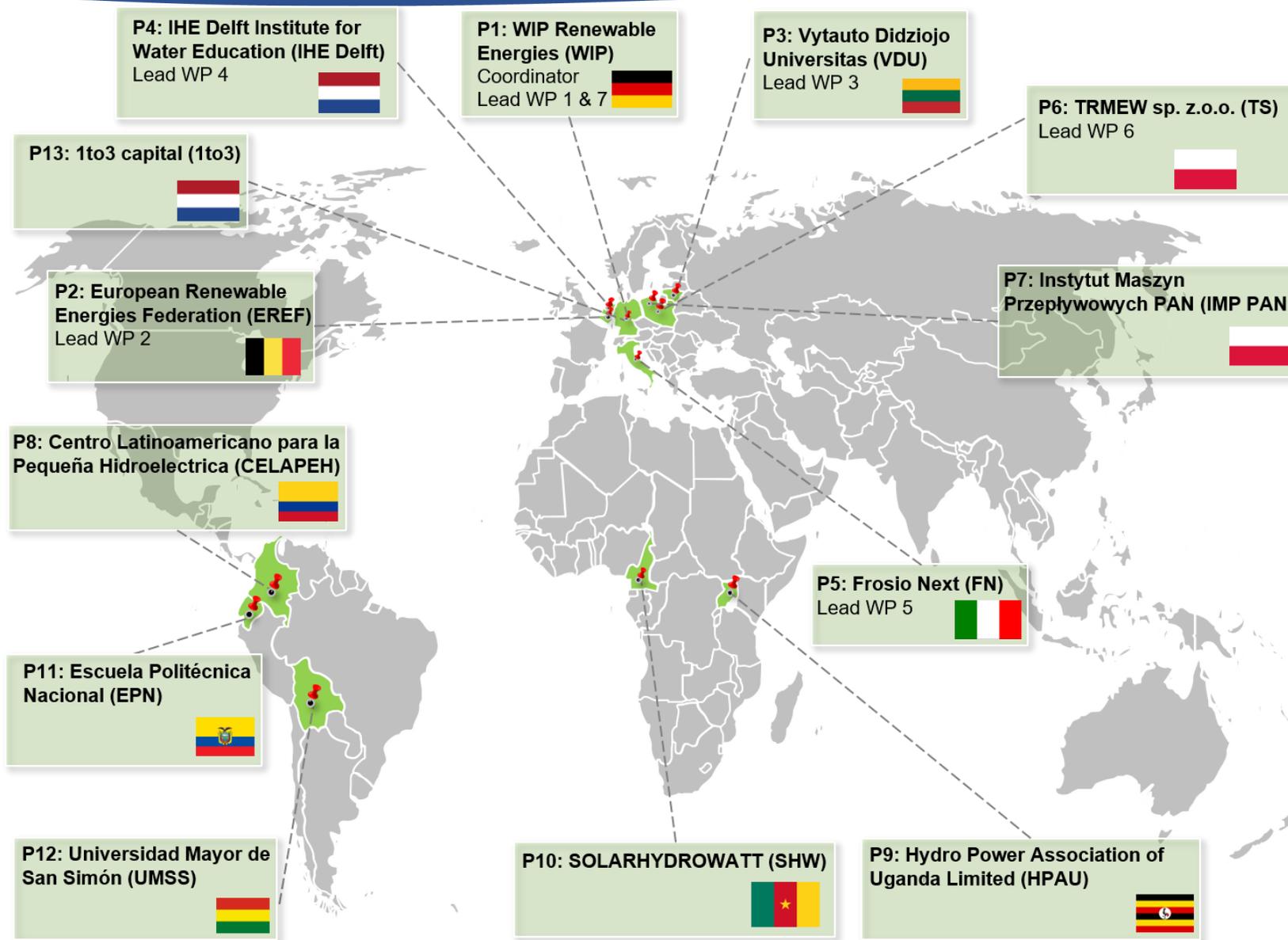
Project Overview

- Support the European hydropower industry by providing tools to best facilitate and consult selected target regions in Africa and Latin America with their know-how and expertise and enable more technology export for European companies.
- Stimulate the energy transition in developing and emerging countries by the market uptake support that shall lead to win-win situations and focus on sustainable and locally adapted solutions.



Structure



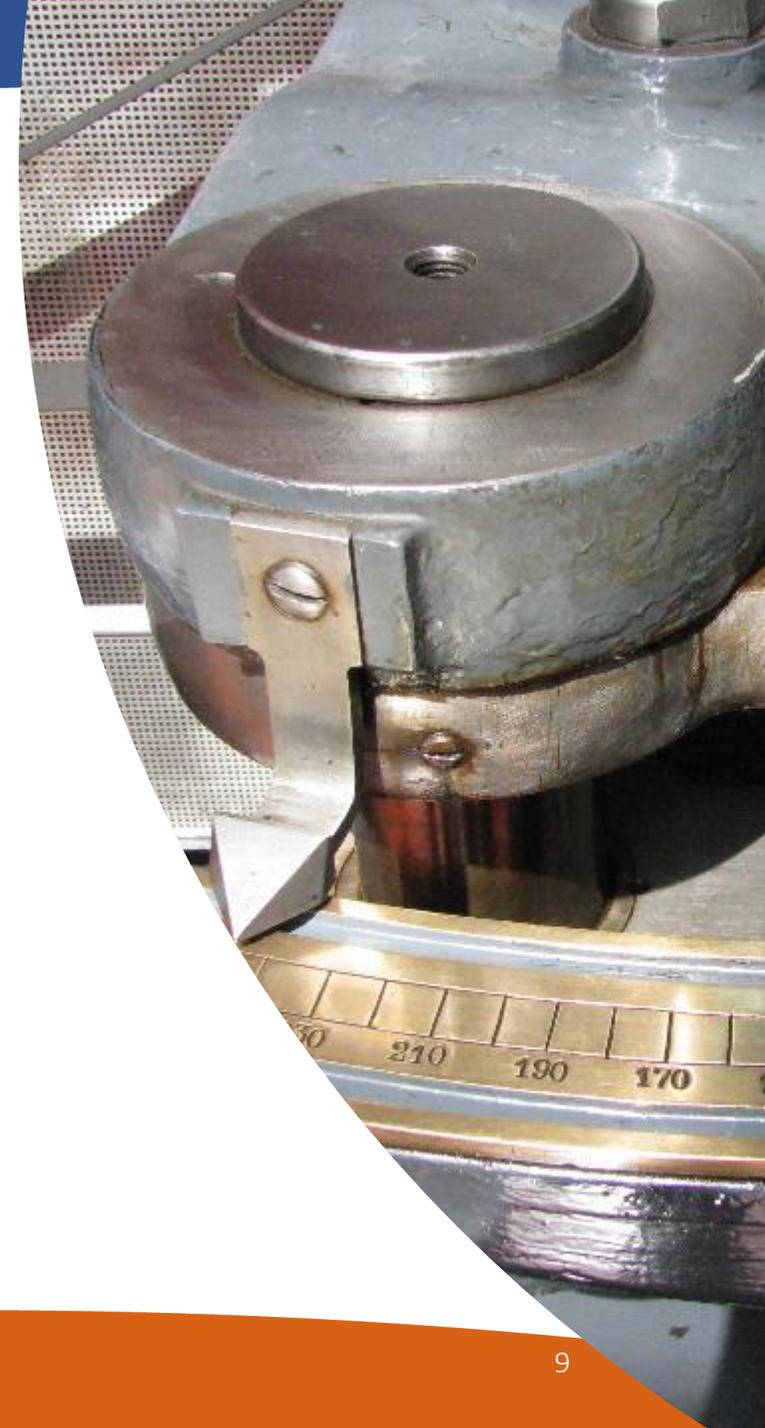


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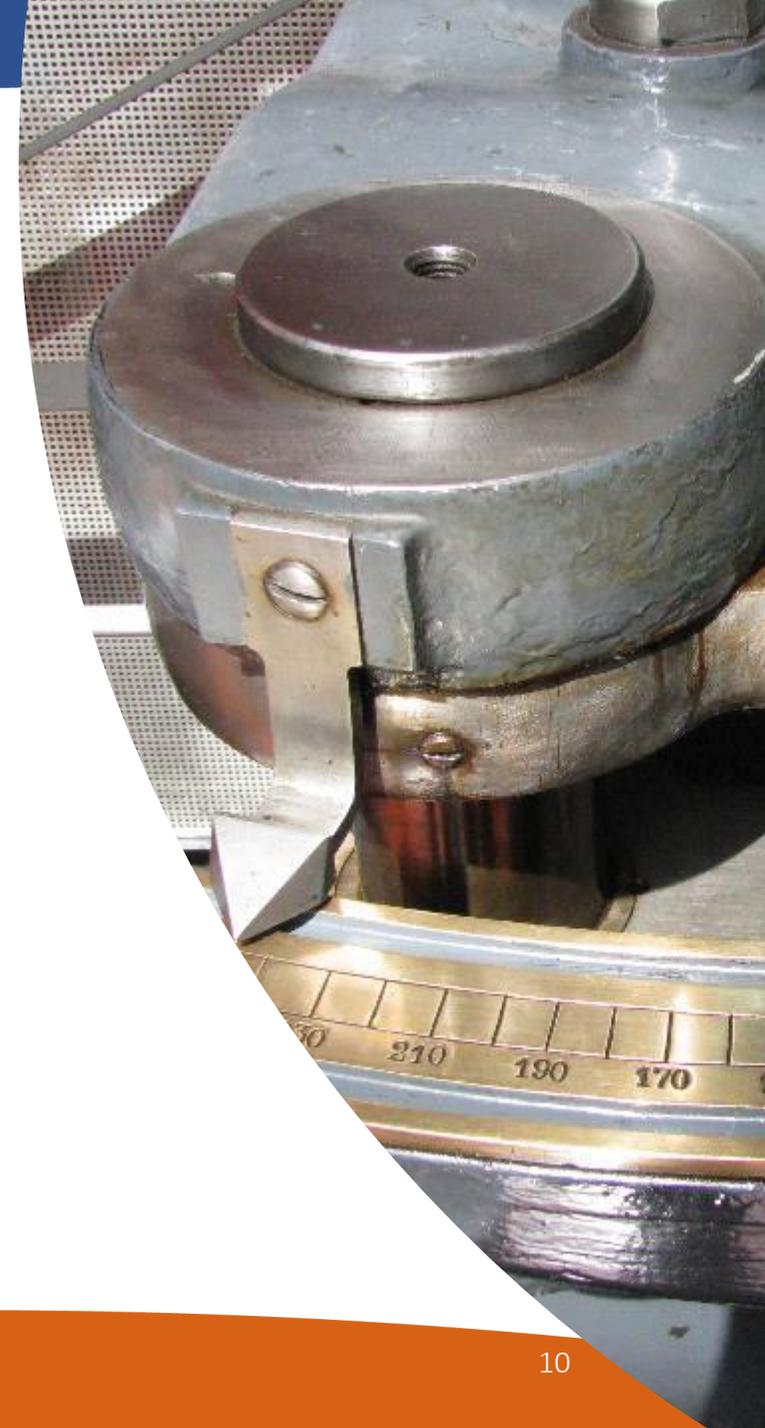
Objectives

- **Mapping** (EU hydropower industry, > 2,000 potential hydropower sites and stakeholders in target countries)
- **Framework analysis** of target countries
- **Capacity building** activities
- **15 Case studies** (5 MoU)
- **Online platform** (providing sector information, enabling contacts)
- **b2b Workshops** (in Colombia, Uganda and the Netherlands)
- **Study tour** in Europe



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Impact in numbers

Country		Bolivia	Cameroon	Colombia	Ecuador	Uganda	Total
Potential of Small Hydropower (SHP)	Total [MW]	200	970	25,000	296	200	26,666
	Remaining %	>23	>99	>99	>65	>70	
Defined capacity limit of SHP [P]		< 5 MW	< 10 MW	< 10 MW	< 10 MW	< 20 MW	
Cost per installed kW		1,300 -8,000 US \$/kW					
Goal for installed MW per target country as consequence of HYPOSO (only SHP)		5	10	50	20	5	90
Amount of additional EU investment in target countries through project activities, million US \$ (roughly 50% of installed cost)		8	15	75	30	8	136



Impact in target countries



	BOLIVIA	COLOMBIA	ECUADOR	CAMEROON	UGANDA
	 increase rural electrification (73%)	 increase share of Renewable Energies (10% coal)	 increase share of Renewable Energies (37% oil)	 increase electrification rate (urban: 57% rural: 22%)	 increase electrification rate (urban: 71% rural: 8%)
	➤ HP experts	➤ HP experts	➤ HP experts	➤ HP experts	➤ HP experts
	local jobs	local jobs	local jobs	local jobs	local jobs

Impact - additional

to

- **facilitating local jobs and wealth creation** (by engaging local communities and authorities into the project activities)
- **leading to additional sustainable development** *in line with UN targets and EU programmes*

HYPOSO aims at

- becoming part of the **historical peace process in Colombia** (HYPOSO project partner CELAPEH is promoting the project “Small hydropower for Peace”)



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The HYPOSO Platform

Did you recently receive the message of EREF?

To all European Small Hydro Power (SHP) Stakeholders: Join the HYPOSO Platform

The HYPOSO Platform is an online Marketing Platform for the small hydropower industry to facilitate business contacts with the stakeholders in Africa and Latin America:

- **Secure and exclusive** platform supported by the EU
- **Free of Charge Promotion/Matchmaking Platform** for the European SHP Industry in Key Export markets
- **Individual marketing** including a company profile to support the distinct positioning
- **Automatic matchmaking** through individual target selection: Get into contact with SHP Stakeholders in the HYPOSO Target countries
- **Access to the GIS online map** with all Hydro Power relevant information and resources (i.e., > 2.000 potential sites) initially for the five target countries
- **Early and exclusive information about business opportunities** for deployment in the target countries exclusively provided to registered users

Interested? Easy registration process – just download the Registration Form (https://www.hyposo.eu/pdf/HYPOSO_Platform_template.pdf) completed registration to HYPOSO@eref-europe.org

Questions? Please contact us in case of further questions: HYPOSO@eref-europe.org

HYPOSO (Hydropower solutions for developing and emerging countries) is an EU funded H2020 project to support the European Small Hydropower industry and stimulate the energy transition in developing and emerging countries in Africa (Cameroon and Uganda) as well Latin America (Bolivia, Colombia, Ecuador). <https://www.hyposo.eu/en/home/>



The HYPOSO Platform

- The HYPOSO Platform is an online forum that shall become the *Promotion/Matchmaking Platform* for the *European SHP industry* in key export markets
- It includes *European suppliers/service organisations* (classified in accordance to their business focus along the SHP value chain), and *SHP stakeholders from the HYPOSO target countries* (SHP business partners for European companies: service companies, project developers, site owners, etc.)
- The HYPOSO Platform facilitates **individual promotion** including a company profile to support the distinct positioning



How does it work?

The case:

A hydro site owner from Uganda is aiming to exploit a potential 5 MW site and is looking for a European business partner that provides engineering services & consultation to develop it.

The site owner speaks fluently Italian and is registered in the HYPOSO Platform.

The site owner looks for an Italian company that offers engineering services & consultation and that could be directly contacted.



Welcome!

Companies and organisations, active in the hydropower sector, from the EU as well as from the five target countries that confirm their interest to make business contacts with each other are invited to join the HYPOSO Platform and are presented below.

Filter categories:

Region ▾

Stakeholders (all) ▾



IHE Delft

IHE Delft Institute for Water Education is the largest international graduate water education facility in the world and is based in Delft, the Netherlands. IHE Delft is a world-renowned [...]



Hydro Power Association of Uganda Ltd.

A not-for-profit organisation, formed and duly incorporated in Uganda on June 10th 2014 as a Company Limited by Guarantee. HPAU seeks to contribute to the national, regional and global [...]



FROSIO NEXT S.r.l.

FROSIO NEXT's core activities are: Technical consultancy hydrologic and hydraulic reports due diligences feasibility studies functional and structural analyses of hydraulic works and [...]



Filter for Europe

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Region ▾ Stakeholders (all) ▾

- Region
- Africa
- Europe
- Latin America



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Filter for Italy

Welcome!

Companies and organ
join the HYPOSO Platf

er sector, from the EU as well as from the five target countries that confirm their interest to make business contacts with each other are invited to

- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Faroe Islands
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Israel
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Moldova

Filter category

Europe ▾

all ▾

Stakeholders (all) ▾



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TRMEW sp. z o.o.

TRMEW sp. z o.o. is a limited liability company established by the Polish Association for Small Hydropower Development (TRMEW) in 2012 to support the Association in realizing its objectives of [...]



Filter for Engineering Services & ...

Welcome!

Companies and organisations, active in the hydropower sector, from the EU as well as from the five target countries that confirm their interest to make business contacts with each other are invited to join the HYPOSO Platform and are presented below.

Filter categories:

Europe ▾

Italy ▾

Engineering Services & Consultants ▾



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FROSIO NEXT's core activities are: Technical consultancy hydrologic and hydraulic reports due diligences feasibility studies functional and structural analyses of hydraulic works and [...]



Direct match with Frosio Next

➤ FROSIO NEXT S.r.l.



FROSIO NEXT's core activities are:

Technical consultancy

- hydrologic and hydraulic reports
- due diligences
- feasibility studies
- functional and structural analyses of hydraulic works and equipment
- value optimization of produced energy



Environmental services

- Environmental Impact Analysis and/or Preliminary Screening

Authorization and construction design

- planning and design of hydropower plants
- technical documentation and assistance for the tenders of civil, hydraulic, electromechanical and electrical works
- structural works design

Construction phase

- supervision of the works
- technical, administrative and legal documents

Contact:

Via Pier Fortunato Calvi, 11
25123, Brescia
Italy

Luigi Lorenzo Papetti, CEO & CTO
(Italian, English, French, Spanish)
luigi.papetti@frosionext.com

<http://www.frosionext.com/en/>



Get involved

Join the [HYPOSO Platform](https://www.hyposo.eu/en/hyposo-platform/), an exclusive online forum, free of charge, for stakeholders from the EU and the HYPOSO target countries, meant to facilitate business contacts.

See more at:

<https://www.hyposo.eu/en/hyposo-platform/>

The screenshot shows the HYPOSO Platform website. At the top, there is a navigation bar with the HYPOSO logo, a 'Languages' dropdown, a 'Newsletter' button, and social media icons for Twitter and LinkedIn. The main navigation menu includes 'Home', 'About', 'HYPOSO Map', 'HYPOSO Platform' (highlighted), 'Sector Information', 'News', and 'Events'. The main heading is 'HYPOSO Platform'. Below this, a text block explains that companies and organizations from the EU and five target countries are invited to join the platform. A 'Login to HYPOSO Platform' button is visible. A section titled 'How to enter the HYPOSO Platform?' provides instructions to send a completed template and images to hyposo@eref-europe.org. A link to 'HYPOSO Platform Template (Download)' is provided. Below this is a 'Filter categories:' section with two dropdown menus: 'Region' and 'Stakeholders (all)'. The 'Stakeholders (all)' dropdown is open, showing a list of categories: Stakeholders (all), System supplier/Manufacturer, Project Developer, Engineering Services & Consultants, Installation/Operation & Maintenance, Universities/Testing & Training Facilities/Research Institutes, Investor, and Other. Below the filter section, three profile cards are visible: IHE Delft (with UNESCO logo), HPAU (Hydropower Association of Uganda Ltd.), and STUDIO FROSIO hydro engineering.

Features to be available

The European SHP industry will be informed first via the [HYPOSO Platform](#) about the altogether 15 different cases studies (pre-feasibility studies) in Bolivia, Cameroon, Colombia, Ecuador, and Uganda.



In the HYPOSO Platform, the local contacts for further talks can be found.

The HYPOSO Platform

If you're thinking WHY should I register to this HYPOSO Platform, the question is not WHY...



The HYPOSO Platform

If you're thinking WHY should I register to this HYPOSO Platform, the question is not WHY...

...the question is **WHY NOT?**



Hydropower Solutions

HYPOSO

Thank you!

Contact:

ingo.ball@wip-munich.de



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#hyposo2020



VYTAUTAS MAGNUS
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857851.

Hydropower Solutions

HYPOSO

Thank you!

Contact:

ingo.ball@wip-munich.de

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Lastname*

Organisation*

Country*

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