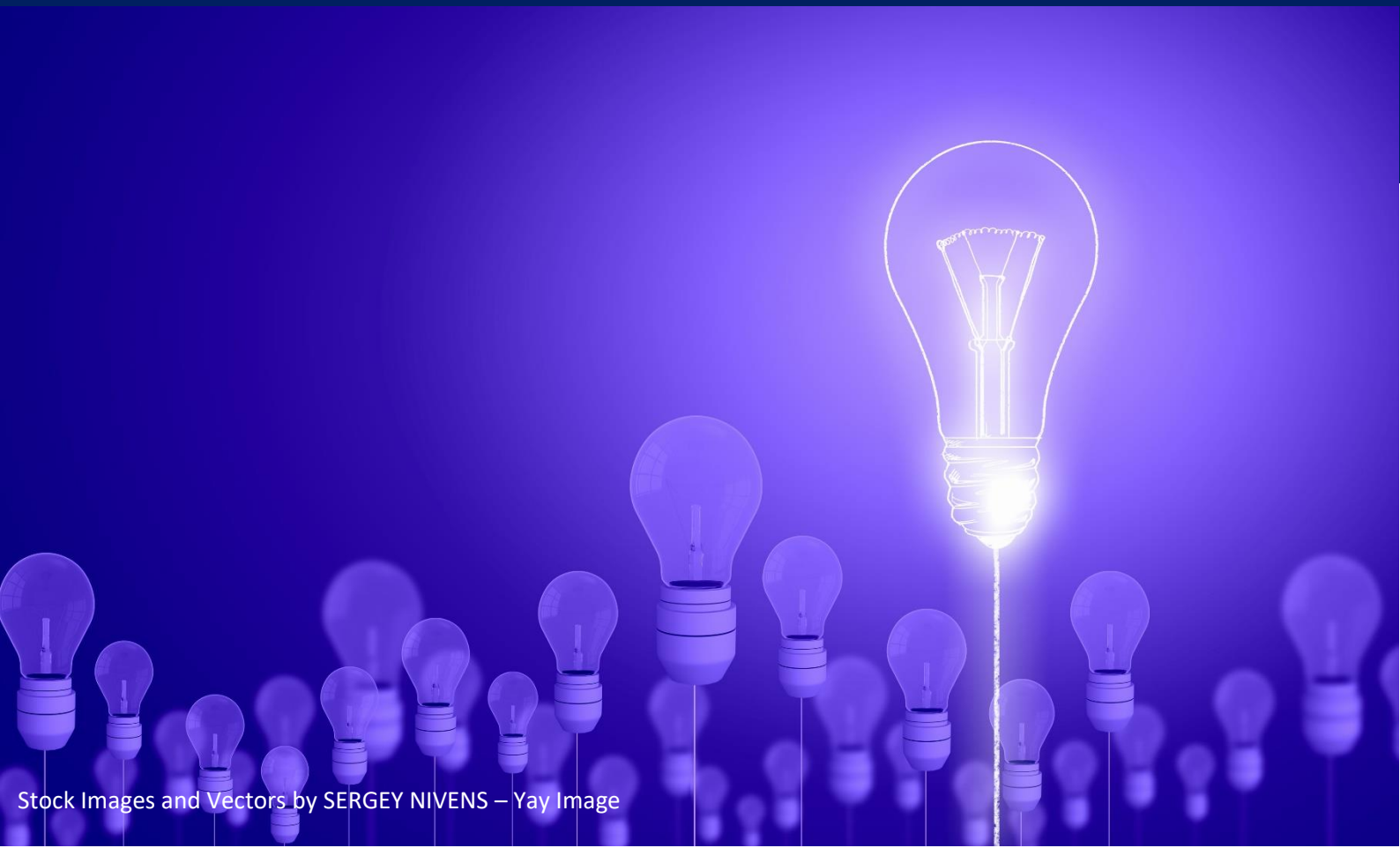


GWP-SEA SDG SUPPORT PROGRAM

Innovative Solutions for Sustainable Development Learning Exchange Forum

April 2021



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Innovative Solutions for Sustainable Development Learning Exchange Forum

Concept Brief

Current situation analysis	<ol style="list-style-type: none"> 1. Growing problems on the ground with short term or sometime no solutions at all 2. Innovative solutions are developed by many organizations but do not reach those who needs the solutions
Expected situation	<ol style="list-style-type: none"> 1. Mapping of innovative solutions globally - Innovative solution for every problem available 2. Database of curated innovative solutions available for public 3. Sharing and learning exchange forum/platform of curated innovative solutions established
Challenge(s) to be addressed:	<ol style="list-style-type: none"> 1. Mapping all innovative solutions 2. Mapping problems (what, where, why, who, when and how) 3. Matching the solutions and the problems 4. Development of One-stop Platform for problem – solution matching for Sustainable Development showcase 5. Facilitating the development of collaboration projects
Actions need to be taken	<ol style="list-style-type: none"> 1. Cooperate with organizations that have innovative solutions. 2. Identify and map “problem owners”. 3. Organize monthly-bi-monthly online meet-up forum to share innovative solutions for specific problems. 4. Facilitate program/project development to implement solutions. 5. Monitor progress and facilitate learning exchange to promote further the results of the project/program. 6. Facilitate “custom replication” in other locations.
Current action to be taken	<p>Organization of Series of Innovative Solutions for Sustainable Development Forum/Platform (Bi-monthly)</p> <p><u>Date & time:</u> Thursday, 27 March 2021 15:00 – 17:00 Jakarta time</p> <p><u>Registration link:</u> https://us02web.zoom.us/meeting/register/tZMkfu2hqDluH9cRpLW1CDEBZayF6hh6NMlo</p>

Specific objective:

- Innovative solutions identified and shared with all stakeholders.

Objectives beyond the forum:

- Practical collaboration between innovators and problem owners facilitated and established.
- Problem-solving project facilitated, developed, and implemented.
- Monitoring and Learning exchange facilitated.
- Custom replication facilitated.

#1 series topic:

Innovative solutions on **monitoring ground and infrastructure movements from the space by DETEKTIA**.

This innovative solution helps to establish a reliable early warning system related to deformation in dams, infrastructures, aquifer, and entire cities based on DInSAR technology.

This innovative solution will help to:

- generate historical time series of ground and infrastructure movements with millimetre accuracy.
- Update movement measurements as often as satellites acquire an image (from few days to weeks, as it is needed).
- detect and measure small millimetre variations on any surface without the need for ground instrumentation.
- obtain an exponential increase of control-point densities compared to traditional monitoring methods.
- obtain historical deformation time series since the early 1990s, which holds great value to characterize the terrain before the construction phase of the infrastructure begins.
- obtain online access to **EyeRADAR**, which is a customized web platform that analyses the historical-and-updated deformation results in a visual and dynamic way, offering customized indices that facilitate the objective interpretation of the results and decision making.

Target audiences:

- “Challenges/Problem owners”: relevant ministries of countries in Eurasia continent and/or globally
- Consulting firms working on disaster risk reduction and resilience projects, and city development in general.
- Donors.
- Universities and research institutes
- Regional entities such as Asia Pacific Water Forum (APWF), SACEP, Lancang-Mekong Water Resources Centre (LMWRCC), Mekong River Commission (MRC), ASEAN, and so forth.
- Public in general.

	<p><u>Expected outputs:</u></p> <ul style="list-style-type: none"> ▪ Innovative solutions identified and shared. ▪ Practical collaboration between innovators and problem owners facilitated and established. ▪ Problem-solving project facilitated, developed, and implemented. ▪ Monitoring and Learning exchange facilitated. ▪ Custom replication facilitated.
Program/ project Organizers	<p>GWP SEA Viromii DETEKTIA</p>
Locations	<p>Eurasia continent</p>