



Citizens and cities facing new hazards and threats

30th November to 4th December 2020

Opening Talk: Strengthening international cooperation with EU

- *Pierrick Fillon, DG RTD European Commission*
- *Manop Sittidech, Mission of Thailand to the EU*
- *Dalibor Drljača, University Clinical Centre of Rep. of Srpska*



4U Pierrick Fillon

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Pierrick Fillon-Ashida
Directorate General for
Research and Innovation
European Commission

*Policy officer
(Japan and ASEAN)*

pierrick.fillon@ec.europa.eu

Strengthening international cooperation with EU

Target international cooperation based on

- necessity to have EU interest
- to maximise scientific impact and value global partnerships signed by the EU

Anticipation of **multi very specific roadmaps** with key partners

Daily work of matching opportunities conduct of international cooperation in research and innovation

CHARACTERISTICS

But where do we stand with international cooperation with the European Union

Scale and scope are required in the transitions to rapid changes 1)Greenddeal, 2)Digital transition 3)Health issues

How can we be concrete with key partners and at the same time open/respecting each other competitive advangates

Solution of → multiple Geometry, example SEA-JFS (Joint Funding Scheme)

Promoting **common principles** → bring **projets/programs** each sides

Crucial importance of brains-circulation and joint initiatives across the World, BUT where do we stand with covid? Impact on mobility, availability of funds

Example of cooperation – Joint funding scheme SEA-EU

- instrument for the funding of bi-regional, multi-lateral research and innovation projects
- Joint Calls for Proposals
- A typical project funded under the JFS would **last for 3 years** and usually costs such as personnel, (small) equipment, consumables, travel and workshops are eligible.
- Yet, this can vary from funder to funder since the national rules apply.
- The central management of the JFS is operated by the **European Commission's Service Facility in Support of the Strategic Development of International Cooperation in Research and Innovation.**

<https://www.sea-eu-jfs.eu>

European Commission

Southeast Asia - Europe
Joint Funding Scheme for research and innovation

European Commission > JFS for research and innovation > Southeast Asia/Europe

Home About Calls News STI Landscape ASEAN Stakeholder Database Events Documents

New Calls open NOW!!!

Deadlines for the 5th and 6th Joint Calls for Proposals have been extended!! The new deadlines are the 15th of December 2020 for Call 5 and the 15th of January 2021 for Call 6. For further information, please see [here](#).

SOUTHEAST ASIA-EUROPE
JOINT FUNDING SCHEME FOR
RESEARCH AND INNOVATION

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5TH JOINT CALL FOR PROPOSALS OF SCIENCE AND TECHNOLOGY (S&T) IN THE THEMATIC AREAS OF INFECTIOUS DISEASES (INCL. COVID-19) AND NANOTECHNOLOGIES - Deadline 15.Dec. 2020.

6th JOINT CALL FOR PROPOSALS OF INNOVATION IN THE THEMATIC AREAS OF DIGITAL HEALTH (INCL. INFECTIOUS DISEASES) AND BIOECONOMY (INCL. APPLICATION OF ICT-BASED TECHNOLOGIES) Deadline 15.Jan.2021.

GREENTECH : 2020-Initiative on tech-transfert

Three areas EU-ASEAN



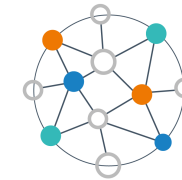
Examples of existing international collaboration in Security: started end 2019-2020

* Browse CORDIS database for project acronym and find more about the project and consortium members at <https://cordis.europa.eu/en>

Project Topic Code	Project Acronym*	Project Title
SU-DRS01-2018-2019-2020	ENGAGE	Engage Society for Risk Awareness and Resilience
	LINKS	Strengthening links between technologies and society for european disaster resilience
SU-DRS02-2018-2019-2020	INTREPID	Intelligent Toolkit for Reconnaissance and assessmEnt in Perilous Incidents
	PathoCERT	Pathogen Contamination Emergency Response Technologies
	RESPOND-A	Next-generation equipment tools and mission-critical strategies for First Responders
	Search and Rescue	Search and Rescue: Emerging technologies for the Early location of Entrapped victims under Collapsed Structures and Advanced Wearables for risk assessment and First Responders Safety in SAR operations
SU-DRS03-2018-2019-2020	SIXTHSENSE	Smart integrated extreme environment health monitor with sensory feedback for enhanced situation awareness
	STRATEGY	Facilitating EU pre-Standardization process Through stReamlining and vAlidating inTeroperability in systems and procEdures involved in the crisis manaGement cYcle
	EU-RADION	European System for Improved Radiological Hazard Detection and Identification
SU-DRS04-2019-2020	SERSing	Advanced Surface Enhanced Raman Spectroscopy (SERS) based technologies for gas and liquids sensING in the area of chemical protection
	STAMINA	Demonstration of intelligent decision support for pandemic crisis prediction and management within and across European borders

Example of DRS project: LINKS

- Start June 2020 – End Dec.2023
- 15 Partners: 6 EU +Japan, Bosnia and Herzegovina)
- 5.1 M€ EU funding
- ➔ links with other projects RESILOC, BUILDERS, ENGAGE



LINKS

Strengthening links between technologies and society
for European disaster resilience

LINKS Cases

 Case 1 – Italy EARTHQUAKE • Multi-Hazard Dynamics • Mountain Areas • Shrinking Communities • Seismic Swarm UNIFI, SCIT, PDT	 Case 4 – Denmark FLOODING • Early Warnings and Forecasts • Risk Communities • Democratizing Data • Climate Change Adaptation UCPH, FRB, HBR, HBR
 Case 2 – The Netherlands INDUSTRIAL • Chemical Spill • Explosions • Industrial Hazards • Preparation of Citizens YU, ST, VRZL	 Case 5 – Germany TERRORISM • Lack of Information • Quality of Information • Citizen Involvement • Training DHPol
 Case 3 – Germany DROUGHT • Large-Scale Area • Water Shortage • Forest Fires • Climate Change • Extreme Long Duration SIC	 Associated Case – Japan TSUNAMI • Low-Frequency • Evacuation Routes • Shelters • Vulnerable Groups CBESD

Kees Boersma

- ❖ LINKS Principal Investigator
- ❖ Associate Professor, Organization Sciences, Faculty of Social Sciences
- ❖ f.k.Boersma@vu.nl



Nathan Clark

- ❖ LINKS scientific coordinator
- ❖ Researcher, Organization Sciences, Faculty of Social Sciences
- ❖ n.e.clark@vu.nl





Mr. Dalibor P. Drljača
Univeristy Clinical Centre of
Republic of Srpska

Consultant

dalibor@drljacad.com



Disaster resilient societies in Horizon Europe programme 2021-2027 (> 90 MlrdEUR)



Clusters	Areas of intervention	
Health	<ul style="list-style-type: none"> * Health throughout the life course * Non-communicable and rare diseases * Tools, technologies and digital solutions for health and care 	<ul style="list-style-type: none"> * Environmental and social health determinants * Infectious diseases * Health care systems
Inclusive and Secure Societies	<ul style="list-style-type: none"> * Democracy * Social and economic transformations * Protection and Security 	<ul style="list-style-type: none"> * Cultural heritage * Disaster-resilient societies * Cybersecurity
Digital and Industry	<ul style="list-style-type: none"> * Manufacturing technologies * Advanced materials * Next generation internet * Circular industries * Space 	<ul style="list-style-type: none"> * Key digital technologies * Artificial intelligence and robotics * Advanced computing and Big Data * Low carbon and clean industry
Climate, Energy and Mobility	<ul style="list-style-type: none"> * Climate science and solutions * Energy systems and grids * Communities and cities * Industrial competitiveness in transport * Smart mobility 	<ul style="list-style-type: none"> * Energy supply * Buildings and industrial facilities in energy transition * Clean transport and mobility * Energy storage
Food and Natural Resources	<ul style="list-style-type: none"> * Environmental observation * Agriculture, forestry and rural areas * Food systems * Circular systems 	<ul style="list-style-type: none"> * Biodiversity and natural capital * Sea and oceans * Bio-based innovation systems

v. 25 June 2018



Priorities for international cooperation in Inclusive and Secure Societies in Horizon Europe

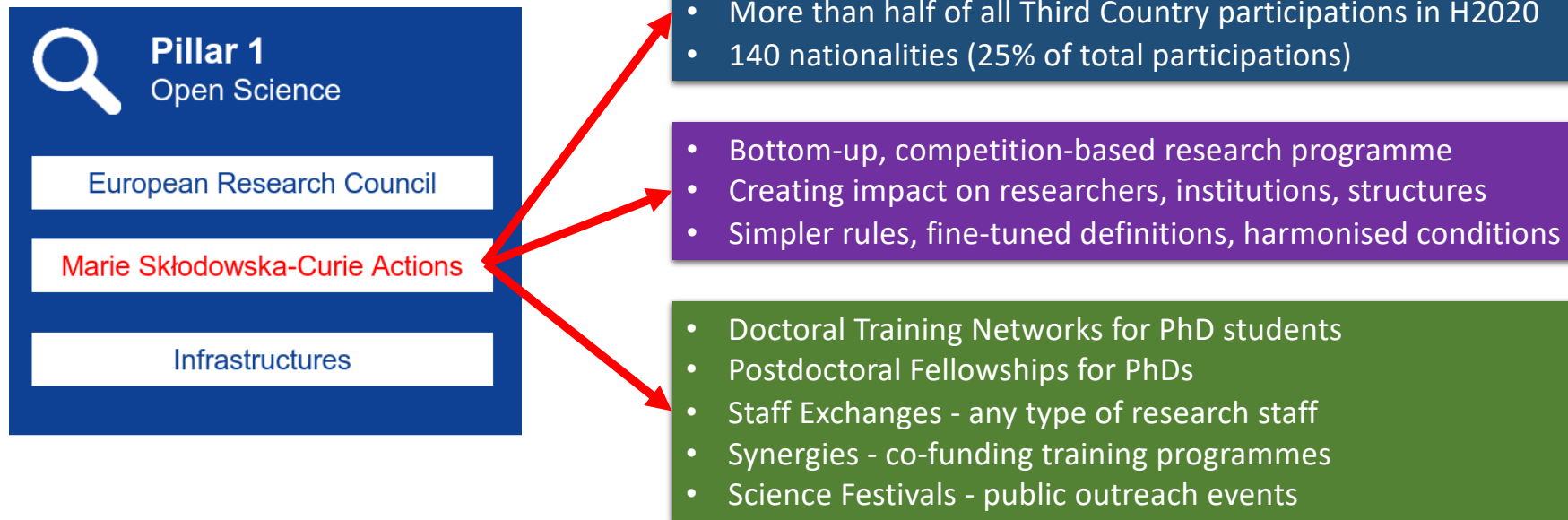
PRIORITIES

1. Continuous fight against Crime and Terrorism
2. Strengthening of EU's border security management
3. Protection of crucial infrastructure (physical and digital)
4. Cyber security
- 5. Disaster resilient societies (natural or man-made disasters)**
6. Strengthening research and innovation in Security

International cooperation will be strongly encouraged for DRS!

In other topics, international cooperation will be encouraged where appropriate!

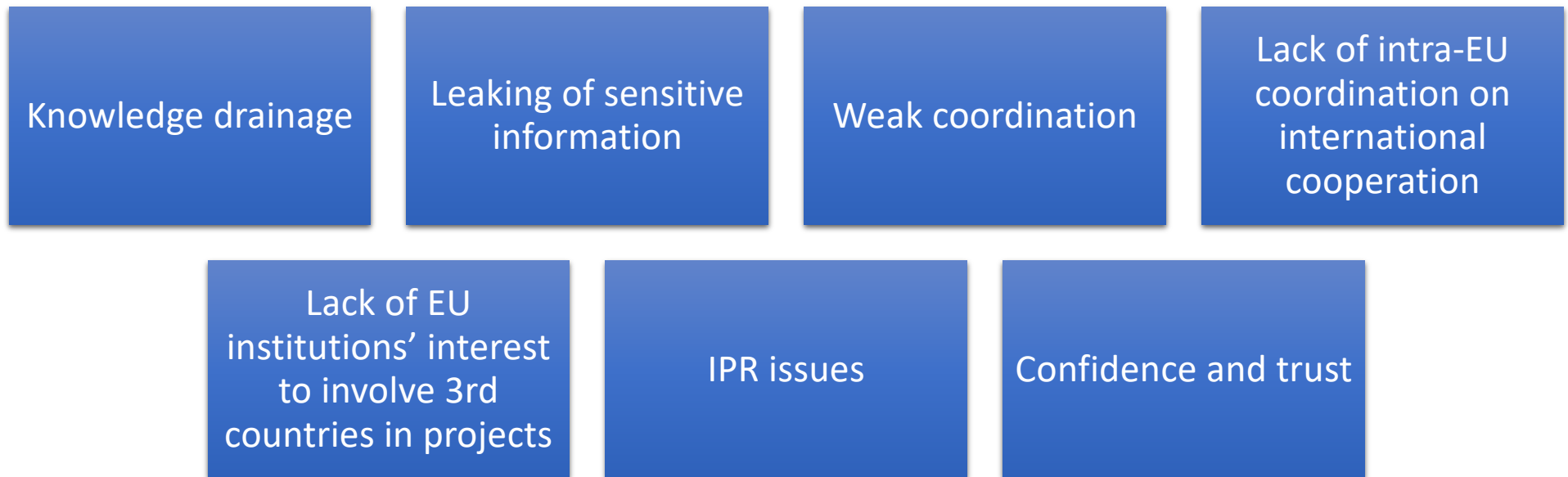
Marie Skłodowska Curie Actions – mobility of researchers



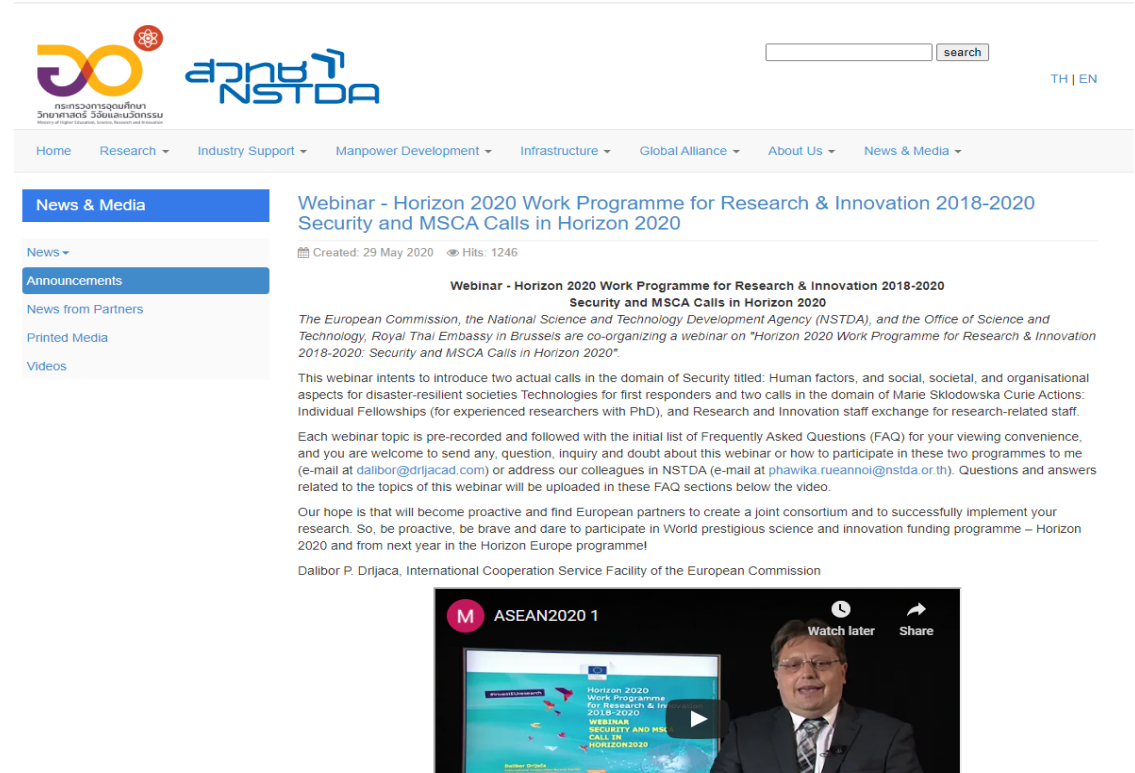
Information on MSCA in Horizon2020 programme:

https://ec.europa.eu/research/mariecurieactions/msca-actions_en

Risks in international cooperation



Example of training webinars



The screenshot displays the NSTDA website's 'News & Media' section. The main heading is 'Webinar - Horizon 2020 Work Programme for Research & Innovation 2018-2020 Security and MSCA Calls in Horizon 2020'. Below the heading, it indicates the webinar was created on 29 May 2020 and has 1246 hits. The announcement text describes a webinar organized by the European Commission, NSTDA, and the Office of Science and Technology, Royal Thai Embassy in Brussels. It details two calls in the domain of Security: Human factors, and social, societal, and organisational aspects for disaster-resilient societies Technologies for first responders, and two calls in the domain of Marie Skłodowska Curie Actions: Individual Fellowships. The text also mentions that the webinar topics are pre-recorded and followed by a Frequently Asked Questions (FAQ) section. At the bottom of the announcement, there is a video player showing a man in a suit speaking, with a play button overlay. The video player interface includes a title 'ASEAN2020 1', a 'Watch later' button, and a 'Share' button.

<https://www.nstda.or.th/en/announcements/245-announcements-news-year-2020/1019-webinar-horizon-2020-work-programme-for-research-innovation-2018-2020-security-and-msca-calls-in-horizon-2020.html>

Important links

FUNDING AND TENDER PORTAL – *Official one-stop-shop*

- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

EURAXESS – *Proximity assistance and job offers*

- <https://euraxess.ec.europa.eu>

NATIONAL CONTACT POINTS – *First-hand programme assistance*

- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/ncp>

CORDIS – *Source of success stories*

- <https://cordis.europa.eu/en>

ONLINE MANUAL – INTERNATIONAL COOPERATION – *Useful to read*

- https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/international-cooperation_en.htm#support-non-eu-countries



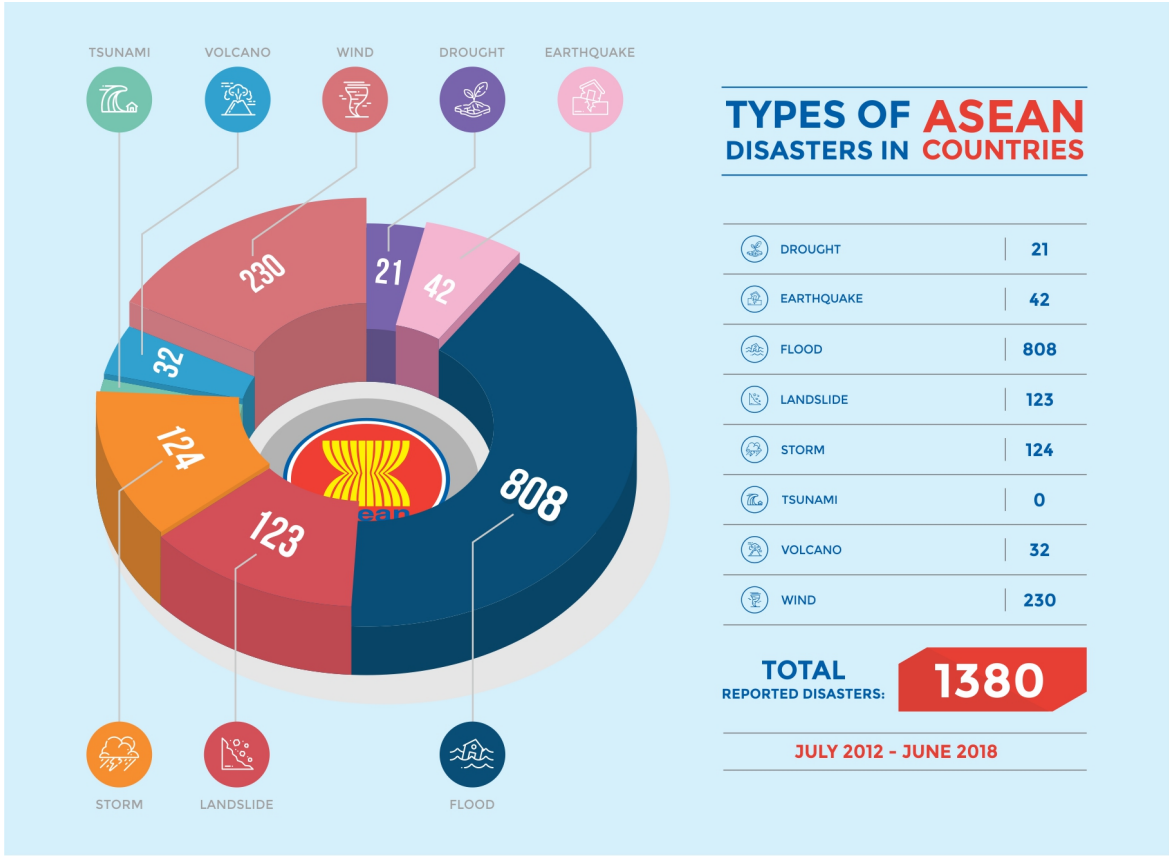
Dr. Manop Sittidech
Office of Science and
Technology,
Royal Thai Embassy Brussels -
Mission of Thailand to the EU

Minister Counsellor/Director

manop.sittidech@thaiscience.eu

Strengthening international cooperation with EU

Disaster Situation and Its Trend



Disaster Situation and Its Trend

Damages from Natural Disasters Economic Loss Due to Natural Disasters in Asia during 1900 – 2013



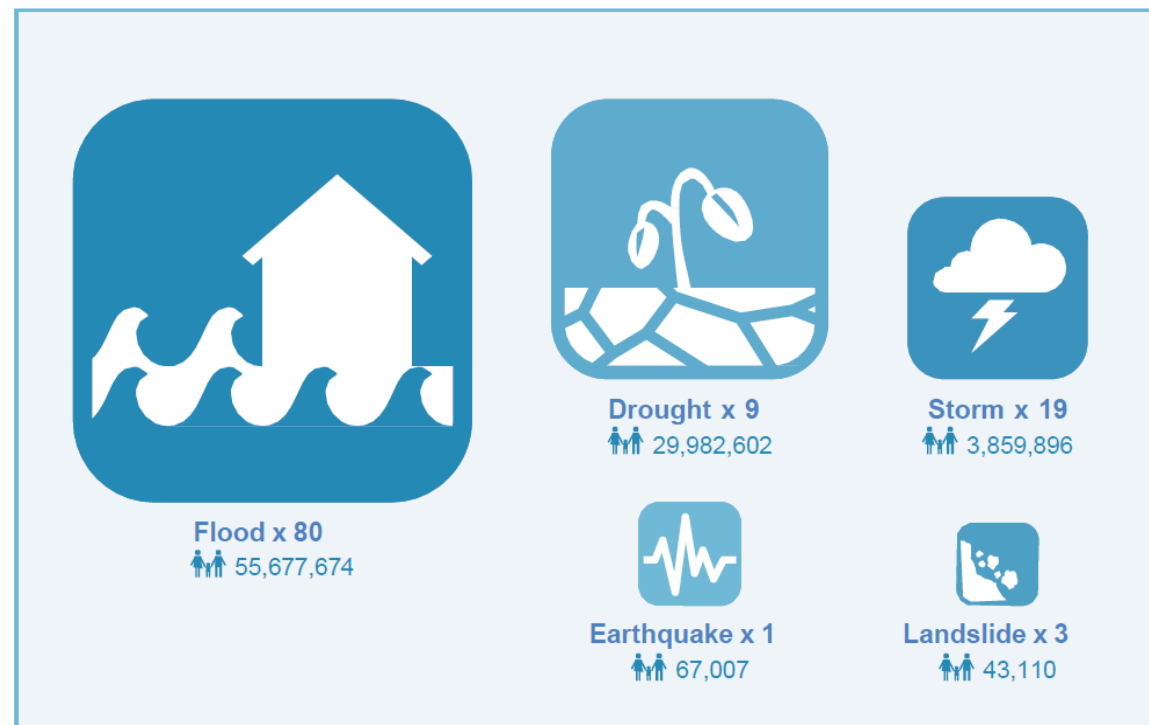
Currency Unit : US Dollar

(Source : Centre for Research on the Epidemiology of Disasters)



Disaster Situation in Thailand

Top five natural disasters in Thailand, in terms of people affected, from 1970–2015



Source: EM-DAT: The OFDA/CRED International Disaster Database, Thailand Natural Disasters 1970–2015

Roles and Responsibilities

KEY MESSAGES



Department of Disaster Prevention and Mitigation (DDPM)



Royal Thai Armed Forces (RTAF)



Royal Thai Police (RTP)



Thai Red Cross Society

- The DDPM has primary responsibility for disaster management. In certain circumstances, especially during large-scale disasters, the prime minister as the national commander might order that the military assume command for a disaster response, as was the case during the 2011 floods.
- The military has the capacity and capabilities to support and lead responses and a tradition of planning for disaster management. The military is a key actor at the decision-making level in all emergency operations.
- The police mandate is focused on law enforcement and public order.
- Disaster management is understood as the responsibility of all sectors of Thai society and this is reflected in the country's legislative and policy frameworks, roles and responsibilities.

Research Agencies



Geo-Informatics and Space
Technology Development
Agency (GISTDA)



Hydro – Informatics
Institute (HII)



National Science and
Technology Development
Agency (NSTDA)



Department of Mineral
Resources, Thailand

Potential collaborative Projects



H2020 calls: disaster-resilient societies

Human factors, and social, societal, and organisational aspects for disaster-resilient societies (SU-DRS01-2018-2019-2020 CALL)

Technologies for first responders (SU-DRS02-2018-2019-2020)

Proposals submitted:

- 1) Building Earthquake Resilient Communities and Societies
- 2) Building Earthquake and Natural Disasters Resilient Communities and Societies: Mitigation, Preparedness and Response in Bangladesh

Thai Presenters in TIEMS 2020

Community – Based Landslide
Watch Networks in Thailand



Dr. Pradit Nulay
Department of Mineral
Resources, Thailand

Adaptive management for building
community resilience on earthquakes and
natural disasters in Bangladesh



Dr. Cherdsak Virapat
Director General, Centre on
Integrated Rural Development for
Asia and the Pacific (CIRDAP)



Thank you
for your
attention!!!

Pierrick Fillon

- Pierrick Fillon – pierrick.fillon@ec.europa.eu
- Manop Sittidech – manop.sittidech@thaiscience.eu
- Dalibor Drljača – dalibor@drljacad.com
- Jaturong Amonchaisup – jaturong@thaiscience.eu

Strengthening international cooperation with EU

