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ADAPT TO SURVIVE

Overall project introduction and what is next?

Deltakerliste til Lanseringskonferanse: Nytt arbeidsprogram Horisont 2020

16th October 2017, Trondheim, Norway

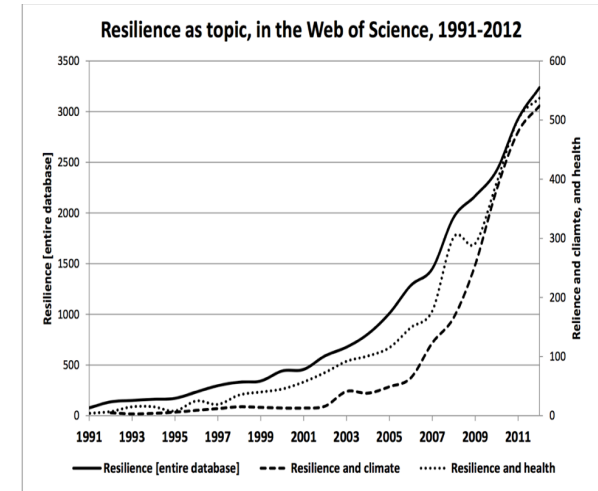Presented by: Dr. Ivonne Herrera DARWIN Project Coordinator

Outline

- Why
- Project overview
- Objectives
- Example of results
- Dissemination and exploitation
- Standardization
- What is next?

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Challenge: effect of crisis on critical infrastructures and social structures

Resilience as topic, in the Web of Science, 1991-2012

The driver
Hidden interdependencies
The difficulty
Handling surprises and cascades

Current methods
Linear thinking
dealing with
expected situations

The need
Escaping oversimplifications
Lack of standards
Mainly theoretical developments
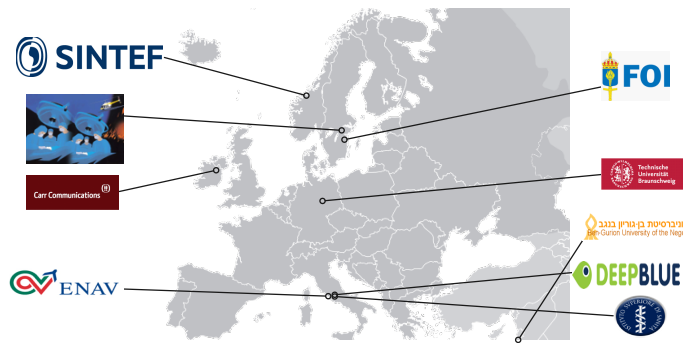
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DARWIN – Expect the unexpected and know how to respond

Improve the ability of stakeholders to anticipate, monitor, respond, adapt, learn and evolve, to operate efficiently in the face of crises.

Duration (June 2015-October 2018)
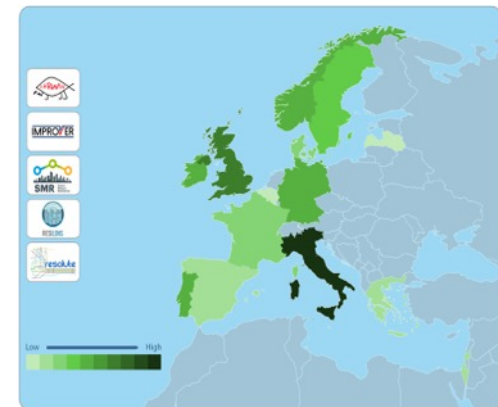
Partners

- 9 organizations
- 6 European countries

DARWIN Community
of Practitioners (DCoP - 2016)

- 50 members
- 8 EU and other countries
- DRS- Projects

DRS-7 – DARWIN, SMR, RESOLUTE, IMPROVER, RESILIENS (2016)

- 53 organizations
- 13 European countries

Main objective and core result

The development of evolving European resilience guidelines

Sub-objectives:

O1. Guidelines available in a form that makes it easy for a particular infrastructure operator to apply them in practice

O2. Enable use of resilience guidelines in non-crisis situations

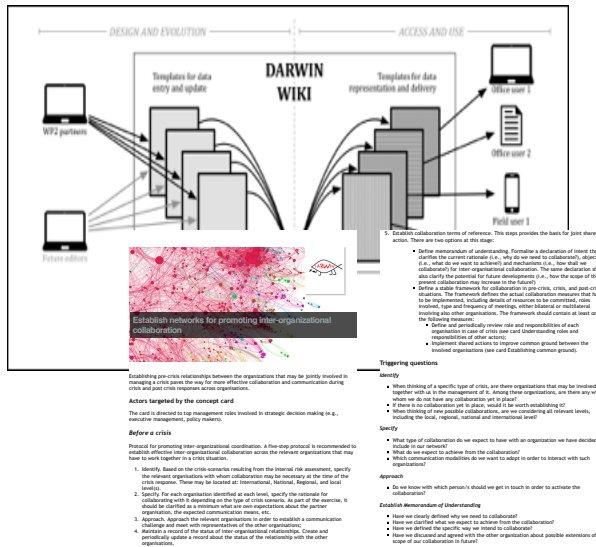O3. Facilitate evolution of resilience guidelines

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Project Objectives
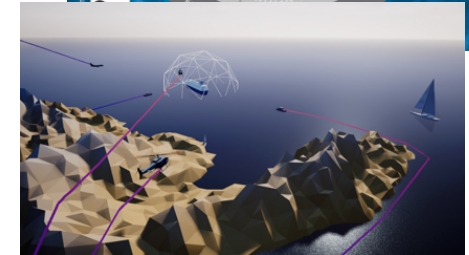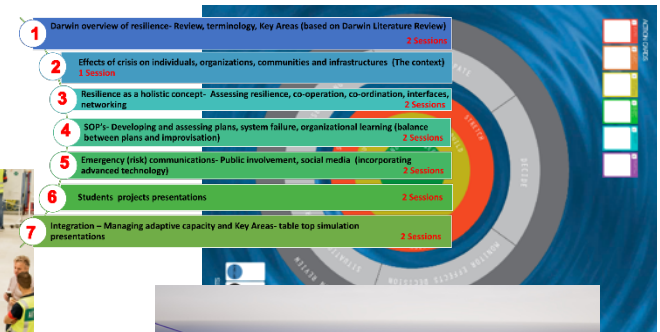
O4. Establish a forum - the Community of Resilience and Crisis Practitioners - with a lifetime that will extend beyond the end of the project

O5. To build on "lessons learned" in the area of resilience of what works well and what does not

O6. Carry out two pilots that apply project results in two key areas - Health care and Air Traffic Management (ATM)

O7. Establish activities that will lead to project results being adapted to, and later adopted by, practitioners in domains other than the two used in the pilots

DARWIN Results some examples – early adopters?

" flexible, dynamic and adaptable to different kinds of stakeholders and crises"

END-USER CO-CREATORS

TRAINING – TRADITIONAL – VIRTUAL REALITY SERIOUS GAMES

Dissemination and exploitation

- DCoP workshops

- EC Community of Users events

- Common DRS-7 activities

- DARWIN web-site: Available and evolving in different formats WiKi and deliverable

- Conferences workshops, seminars, papers, journals

- Planned: documenting validation exercises

Standardisation activities

- ## Guidelines based on current standards e.g.

   ISO Guide 73:2009. Risk management – Vocabulary.

   ISO 22300 (2012). Societal security – Terminology.

   ISO 22320 (2011): Societal security – Emergency management – Requirements for incident response.

- ## Participation on standards (e.g. SINTEF/NTNU) - CEN/TC 391 WG3 – Crisis Management and Civil Protection The WG is preparing a Technical Standard expected June 2017 Crisis Management – Guidance for developing a strategic capability

- ## On-going : Common DRS-7 White paper

DARWIN and other ongoing H2020 projects what is next?

- Early adapters of H2020 results?

- SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe – IA

- SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies – RIA

- SU-DRS02-2018-2019-2020: Technologies for first responders – RIA

- SU-DS01-2018: Cybersecurity preparedness - cyber range, simulation and economics IA

- SU-DS05-2018-2019: Digital security, privacy, data protection and accountability in critical sectors

- SU-GM01-2018-**2019**-2020: Pan-European networks of practitioners and other actors in the field of security - [2019-2020] Practitioners (end-users) in the same discipline and from across Europe - CSA

Interested to join DCoP or access deliverables:
www.h2020darwin.eu

Thank you for your attention, any questions?