Policy Research Dialogue Roundtable Concept SP95 -Impact, Engagement and Sustainability

Bernardo Espinosa

ANYWHERE Innovation Manager



February 2019

0-17 PORTUGAL

66

THE REAL PROPERTY.

NH17GREECE

19

Total 85

JI-18 GREECE

99

Total 184

A-18 ITALY

DW 310PF

Total 195





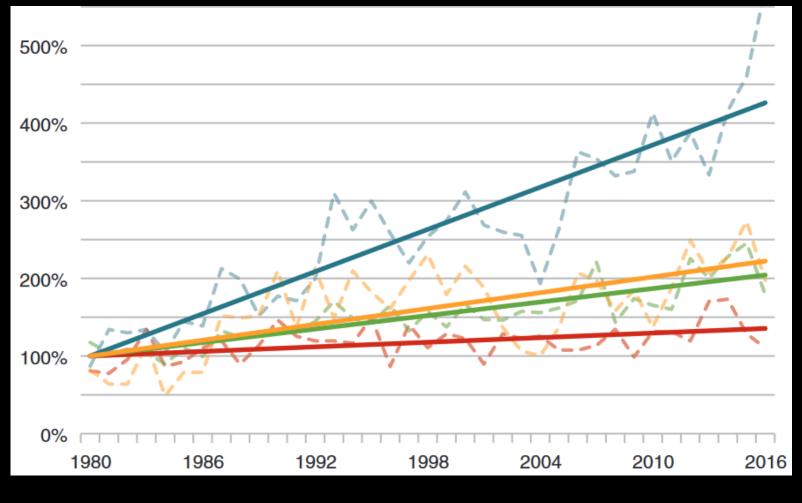
N-18 ITALY

30



N-18 ITALY 14 million Trees 30 years to Clean 100 years to reforest



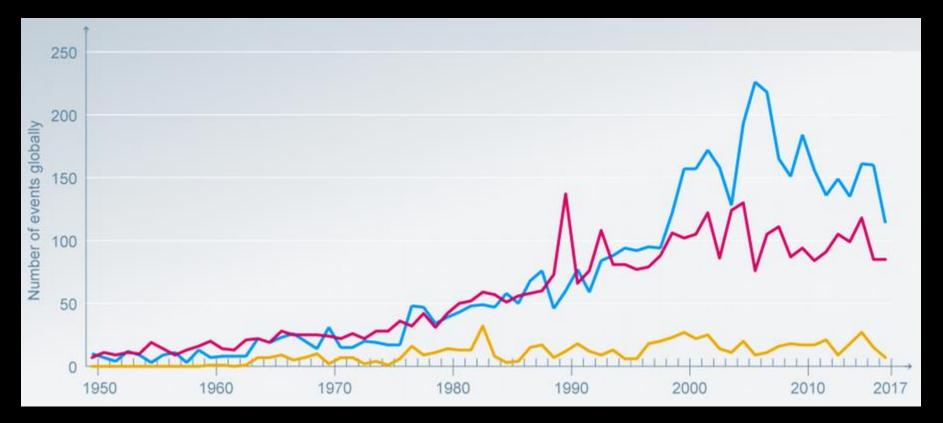


- Hydrological events (flood, mass movement)
- Climatological events (extreme temperature, drought, forest fire)
- Meteorological events (storm)

ANYWHERE

Geophysical events (earthquake, tsunami, volcanic eruption)

Trends in different types of natural catastrophy worldwide 1980–2016 (1980 levels set at 100%). MunichRe NatCatSERVICE.

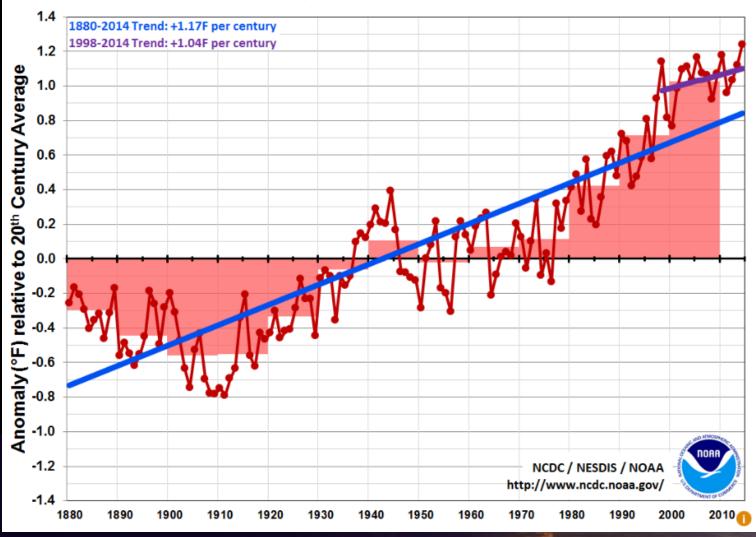


Flood Global EventsStorm Global EventDrought Global Events

ANYWHERE

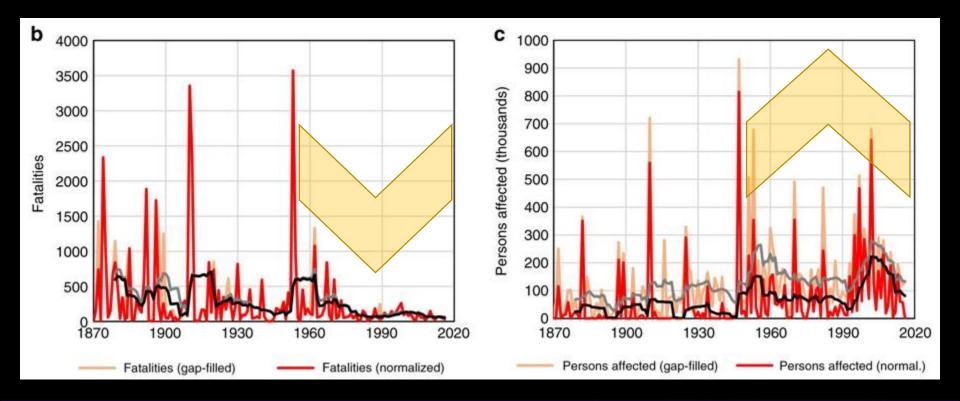
Source: The Emergency Events Database (www.emdat.be)

Annual Global Temperature (Combined Land & Ocean)





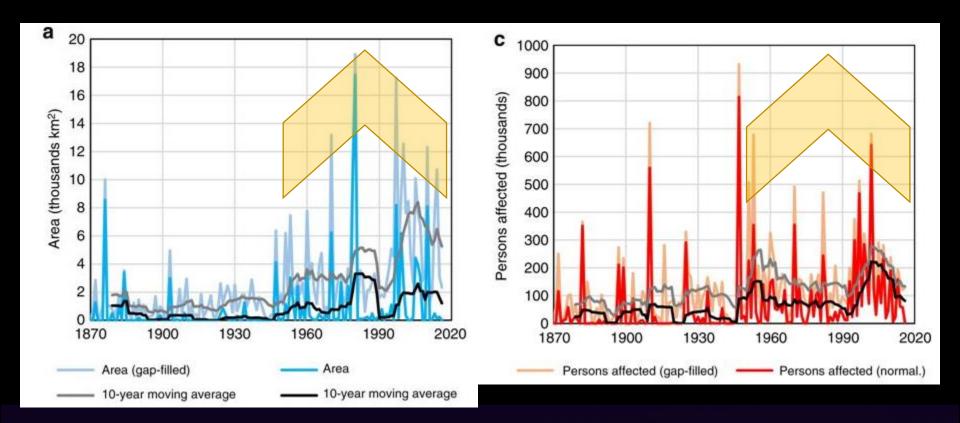
Less Death - More People Affected and more costs





Source: Nature Communications ISSN 2041-1723 (online)

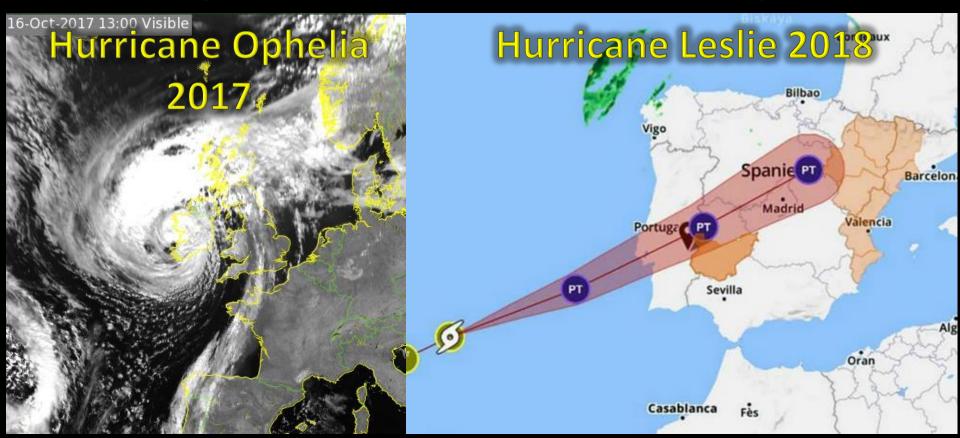
More Exposure -> More are afected





Source: Nature Communications ISSN 2041-1723 (online)

Is Europe becoming Tropicalized? (our infrastructure is not!)



Is Europe becoming Tropicalized? (our infrastructure is not!)

What should We do?

The ANYWHERE Project







http://anywhere-h2020.eu/

The ANYWHERE Project

Goal: Develop and Implement a Multi-Hazard Operational Emergency Support Platform to be Adopted by PPDR Authorities





SYSTEM

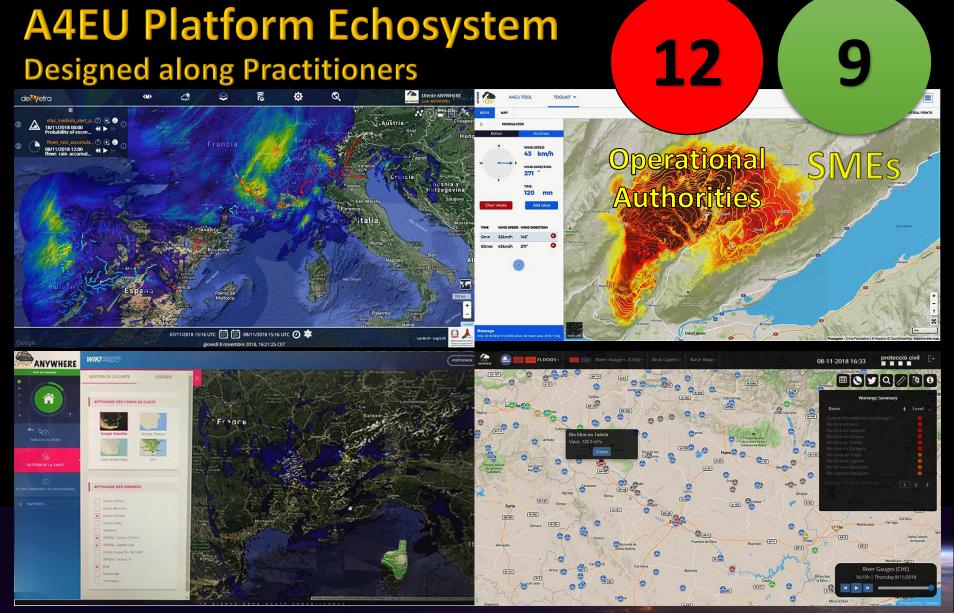
ANYWHERE

Harness the power of advanced Weather Risk Forecasting and integrate geolocalized Data or Spatial Imagery into your own solutions.

A4EU OPERATIONAL PLATFORM

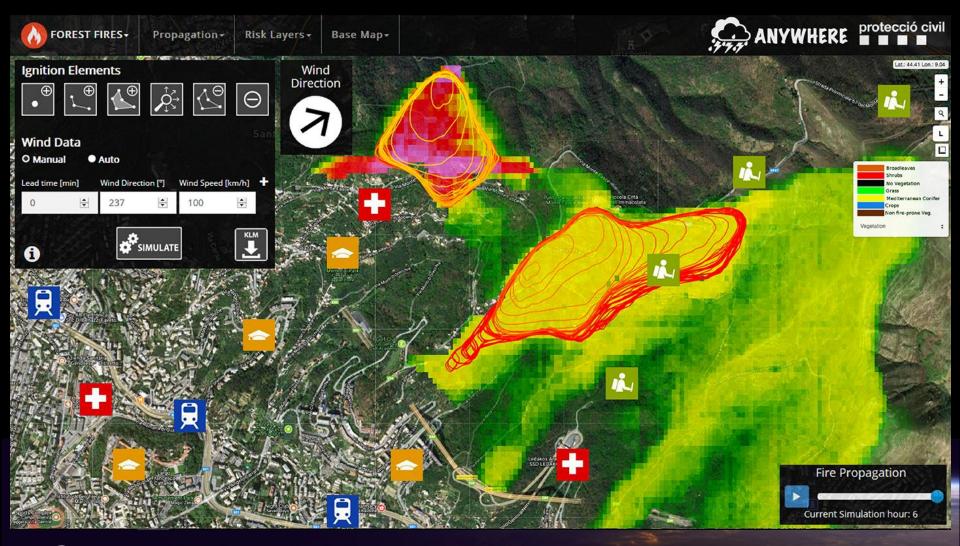
Robust yet Simple Global Situation Awareness toolkit, Designed and tested by European Civil Protections and First Responders

anywhere-h2020.eu/catalogue/





New Paradigm: Impact Forecast

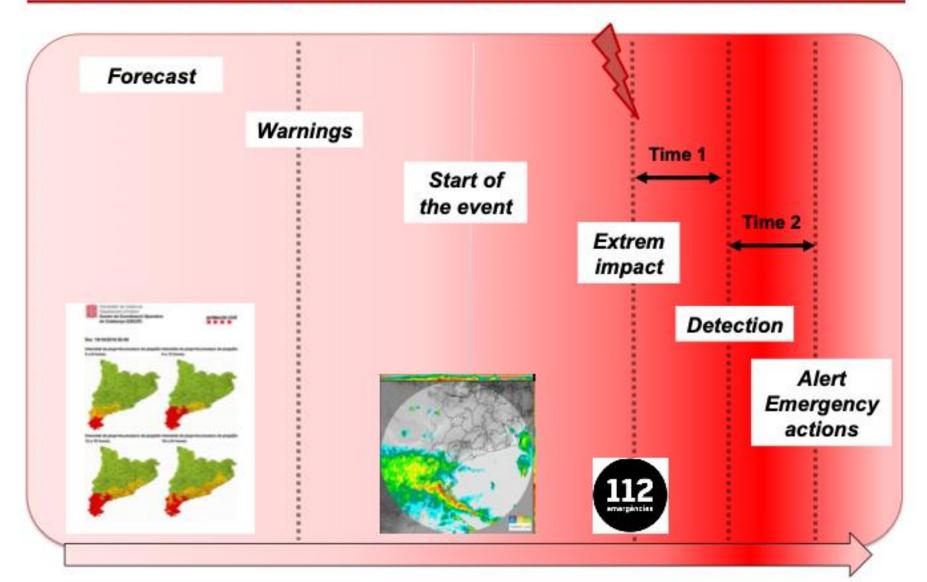




A4EU Platform Ecosystem Operational on 7 Pilot Sites - 1 Year







Evolution of the management model of metheo based risk events



ANYWHERE



Forecast Warnings Time Start of the event Advanced detection Early alert Extrem impact NYWHERE

Evolution of the management model of metheo based risk events

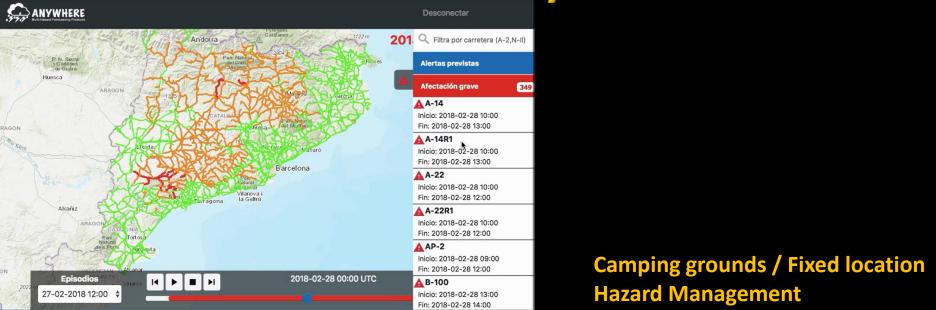
Courtesy of Sergio Delgado



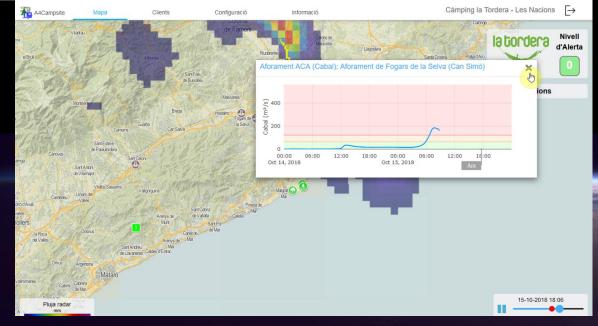
Catalonia Civil Protection Deputy Director



Self-Use Ecosystem



Snow on Roads Logistic Hazard Management





3rd Party-Integration Ecosystem



Smarty Planet Platform



River T<mark>rack</mark> Community Alert ((4))

36hrs 24hrs 12hrs Now

A4EU: Demonstrations and Trainings





Limitations for Market Uptake: - Administrations cannot Contract, they require Tenders for Procurement

- No Standardization for PPDR
- No European Guidelines or State-of-the-Art of what is available
- Lead-time to Procurement +/- 200 days!



To facilitate access is needed: - Create Guidelines and Standards considering the available R&D

- Issue an European-wide Roadmap to leverage the Exploitable Results

 Issue Pre-Normative and Pre-Commercial Procurement calls to facilitate access for practitioners



ANYWHERE feels like more than a project...



ANYWHERE feels like more than a project...

ANYWHERE feels like a Family



Thank You

Bernardo Espinosa

ANYWHERE Innovation Manager



February 2019

Additional Content



What is an H2020 Innovation Action?

- Funding is more focused on closer-tothe-market activities.

For example, (prototyping, testing, demonstrating, piloting, scaling-up etc. if they aim at producing new or improved products or services.)



Risks for ANYWHERE as Innovation Action

- The programme does not fund the actual reach to markets (marketing and commercial activities)

- Research and Innovation Actions have different goals, easy to be confused

"Apparently" external companies have problems to participate

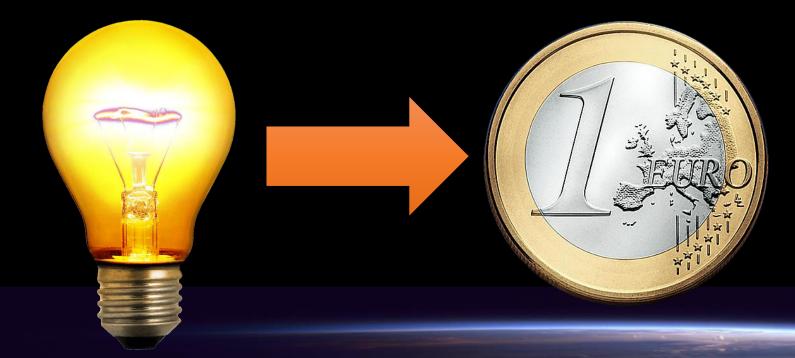


What is Innovation in Business?

- The process of translating an idea or invention into a good or service that creates value or for which customers would pay



What is Innovation in Business?



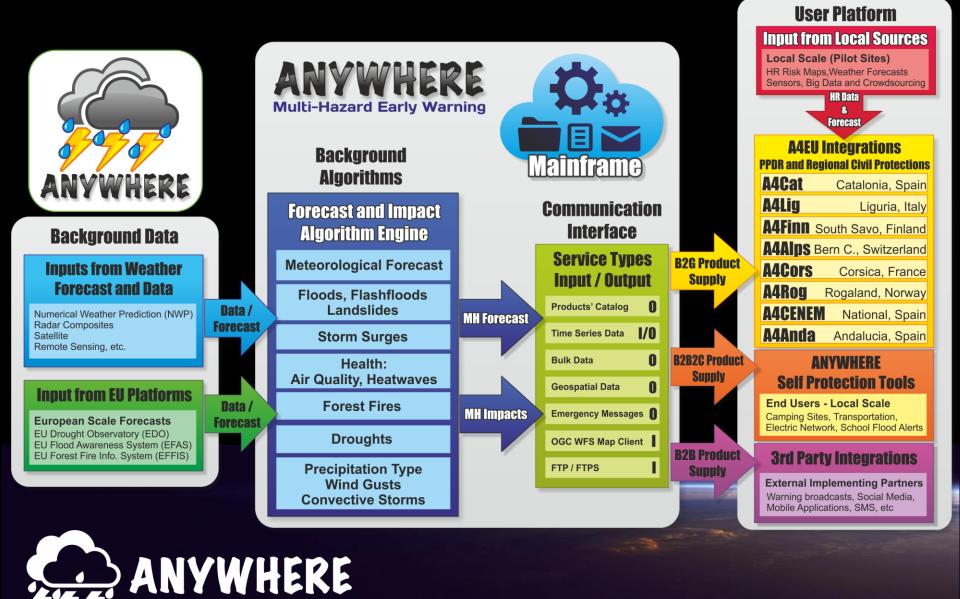


What is Innovation in Research?

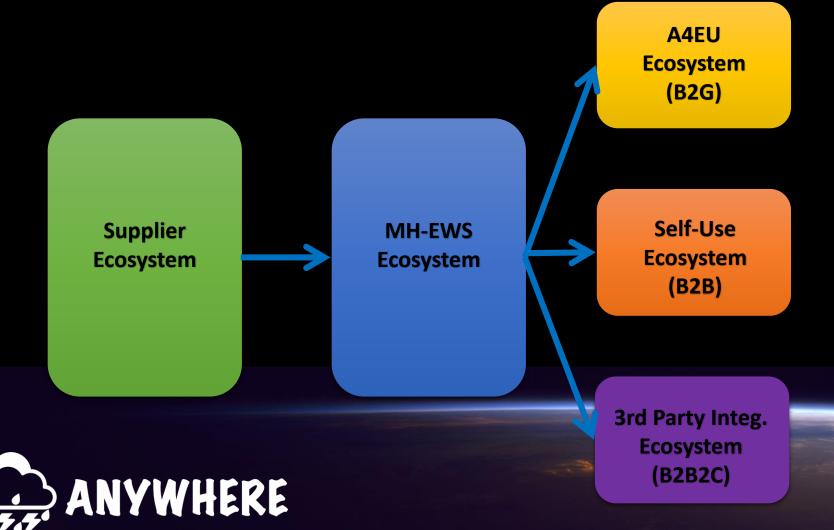




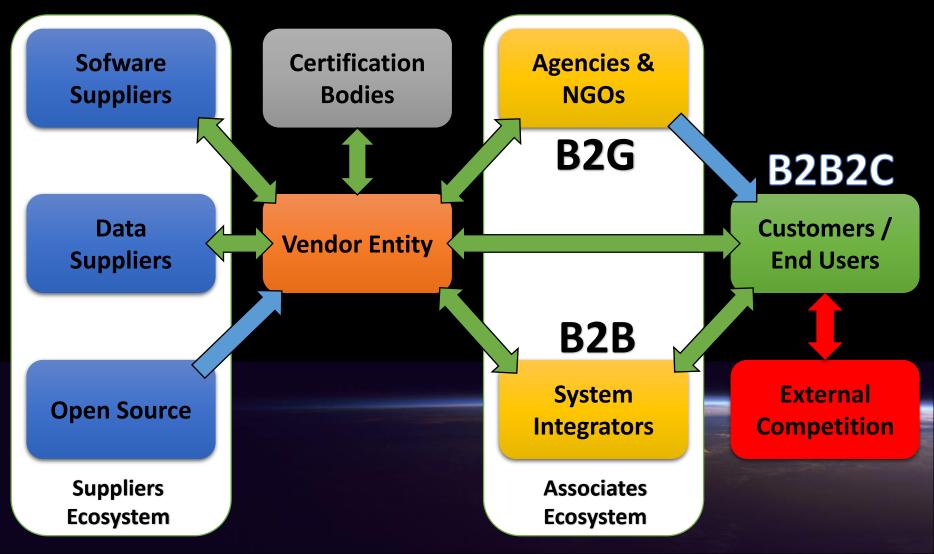
PROJECT Overview



Exploitable (Commercial) Product Ecosystems



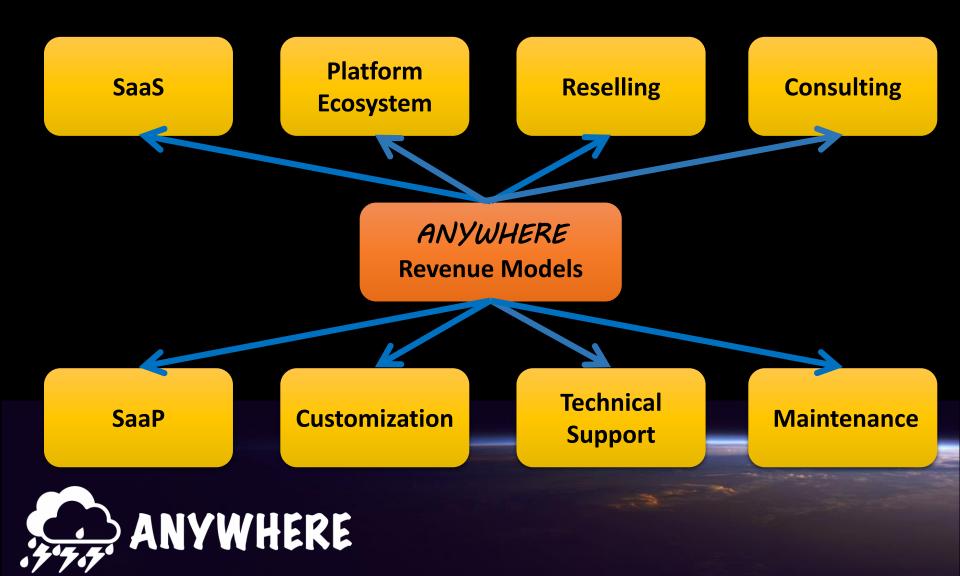
ANYWHERE Ecosystem Supply & Revenue Flow



Revenue Sharing System



Hybrid Revenue Model



Constrains and Areas of Opportunity



FAQs:

- Will the results available after the project ends?
- What will be the price?
- The Industrial Partner is too big, how our SME could participate?
- We are wary to consider your R&D commercially. Who will ensure continuity?
- What business model is offered? (SaaP, SaaS, Licencing, Custom R&D, etc)



Limitants to involve PPDR Practitioners

- Limited capacity to comply with Paperwork (it is too much!)
- Uneven initial capabilities and goals
- Lack of examples to benchmark
- Wariness to push de RTD partners
- Restrictions for budget management
- Actual emergencies and Changes on Hierarchy affects their attention span over long-term periods



Actions taken for PPDR Practitioners

- Coordination Subsidized paperwork and reporting
- Specific meetings made to level the current practices and induce a new operational paradigm
- Coordination expend great efforts to convince the RTD Partners to go beyond "contractual" points and to become live suppliers for Practitioners.
- The "Emergencies" are now the normal for Pilot sites, straining the developments.

