

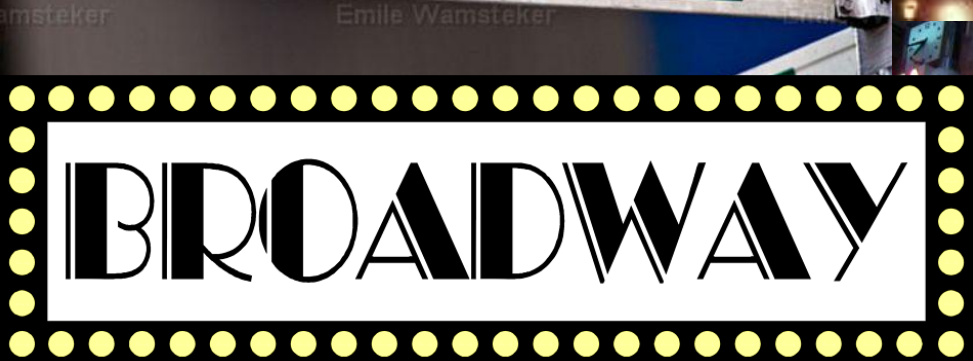
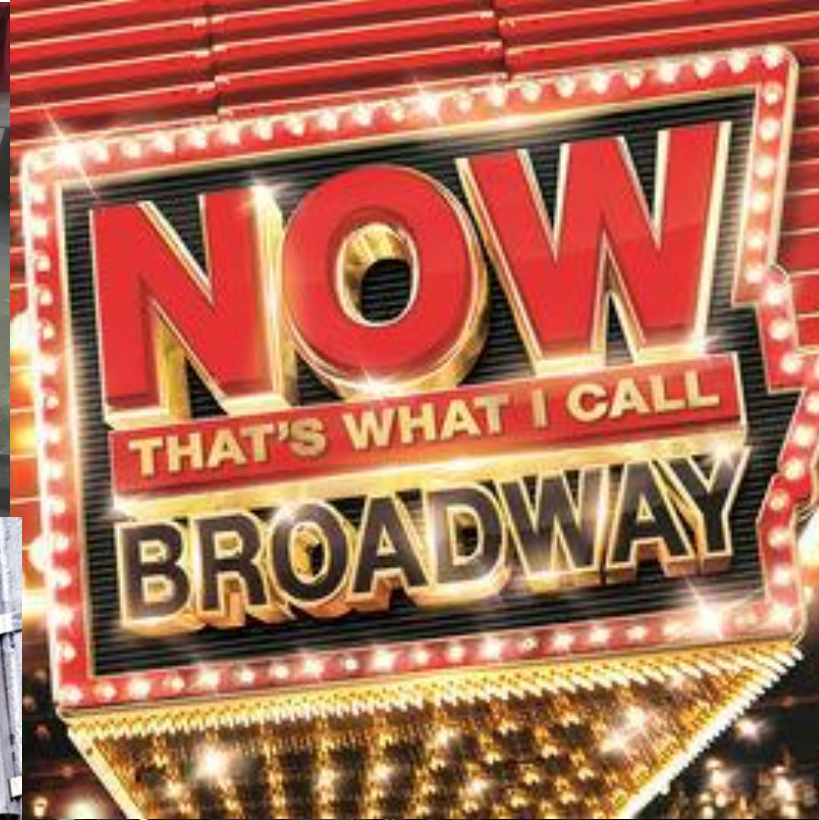
[www.broadway-info.eu](http://www.broadway-info.eu)

# Introduction to BroadWay

David Lund, BroadWay Project Coordinator













We can't build our own houses, so we have to get the experts to do that

*BroadWay is Procuring Innovation activity to enable a pan-European broadband mobile system for PPDR, validated by sustainable test and evaluation capabilities*



### **Pan-European**

Disasters, Crime and Terrorism are not confined to geopolitical borders. Those who protect and rescue us, should be able to talk, share and access information, wherever they and whenever they need to; enhancing European co-operation.



### **Procurement & Evaluation Teams**

Our procurers supply crucial communication services to ~1.4 Million European responders across 11 countries. Responders from all disciplines will evaluate this new pan-European capability. User driven requirements which includes user driven conformance.



### **Innovation & Vision**

BroadWay will innovate!  
We will procure innovative technological solutions and find new ways for our Mission  
Critical mobile service providers and responder practitioners to trust that the solutions they use are fit-for-purpose and what they need.



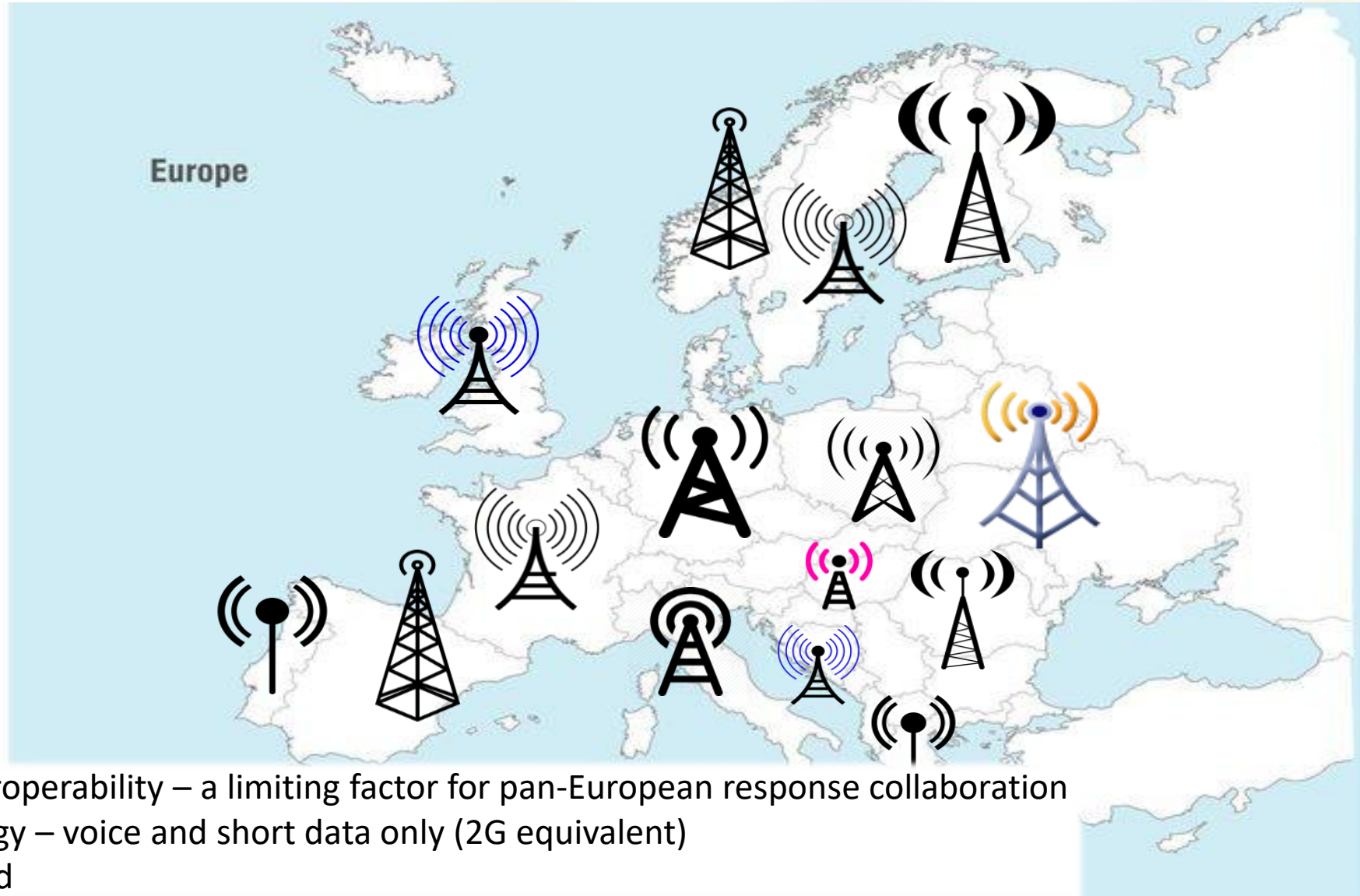
### **Roadmap**

BroadWay will not just innovate. We will pave the way to put that innovation into live and sustainable use for the benefit of the whole of Europe. We will create a new and competitive eco-system to drive innovation within and beyond the BroadWay project.



# The Common Challenge

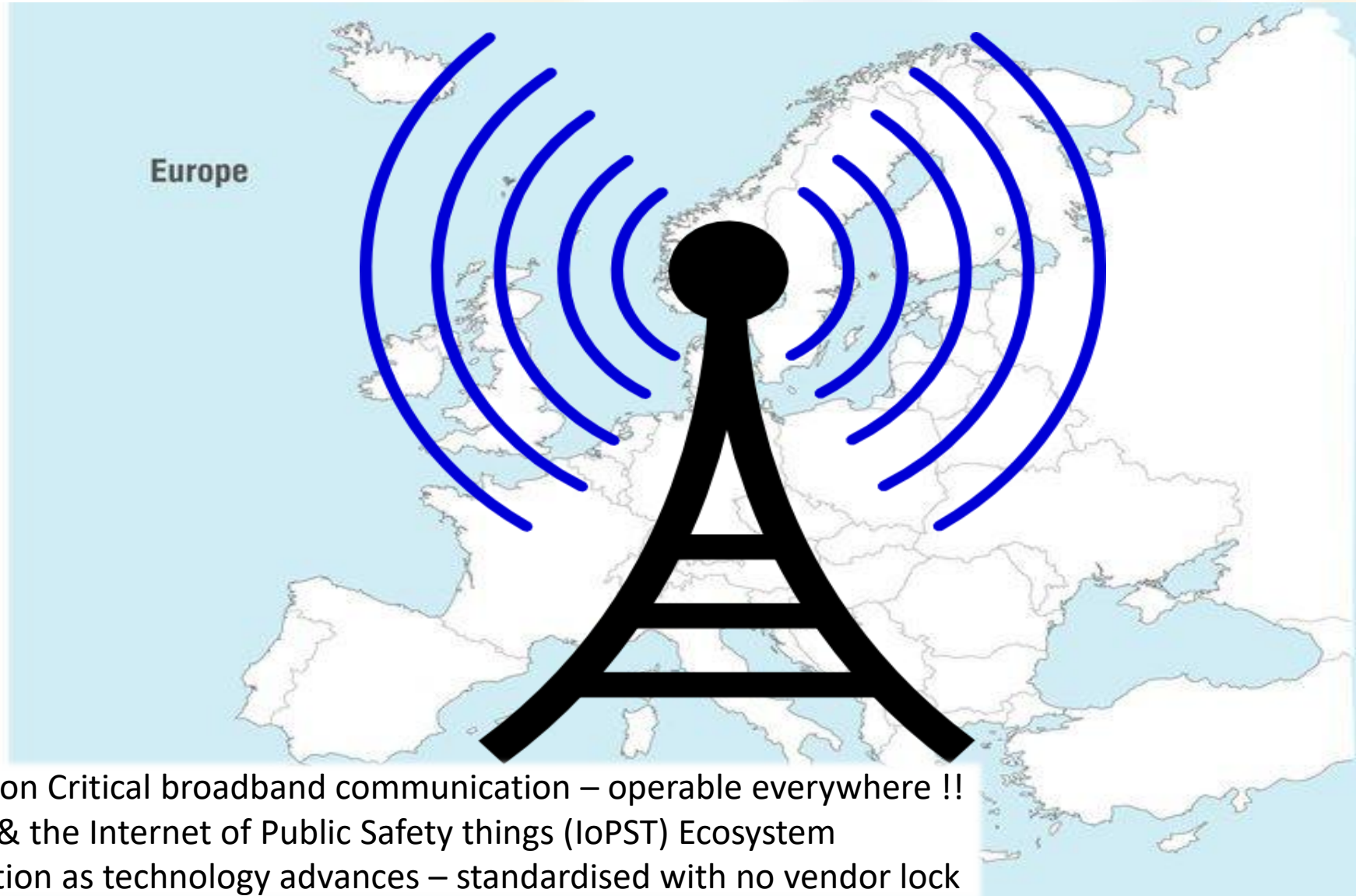
## – we have today



- Minimal interoperability – a limiting factor for pan-European response collaboration
- Old technology – voice and short data only (2G equivalent)
- Vendor locked

# The Common Challenge

## – we need today



- Secure, Mission Critical broadband communication – operable everywhere !!
- Applications & the Internet of Public Safety things (IoPST) Ecosystem
- Future evolution as technology advances – standardised with no vendor lock

# Ultimate Goal



## Pan European Mobile Broadband for Public Safety (operational mobility)

To Improve Collaboration between responders from different agencies  
and different countries

To Enable mobility of responders between different countries





**In any case...**

**Bad things that happen don't care about borders**

European Interoperable mobile broadband for Public Safety

To Improve Collaboration between responders from different agencies and different countries

To Enable mobility of responders between different countries

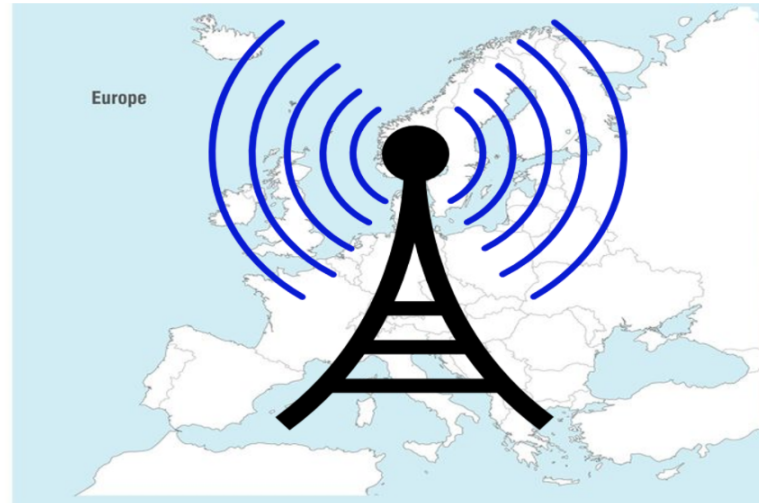


## Pan-European

Disasters, Crime and Terrorism are not confined to geopolitical borders. Those who protect and rescue us, should be able to talk, share and access information, wherever they, and whenever they need to; enhancing European co-operation..

## The Common Challenge

### European Interoperable Mobile Broadband for Public Safety



#### What?

- Secure, Mission Critical broadband communication – operable everywhere
- Applications & the Internet of Public Safety things (IoPST) Ecosystem
- Future evolution as technology advances – standardised with no vendor lock

#### Why?

- To Improve Collaboration between responders from different agencies and different countries
- To Enable mobility of responders between different countries



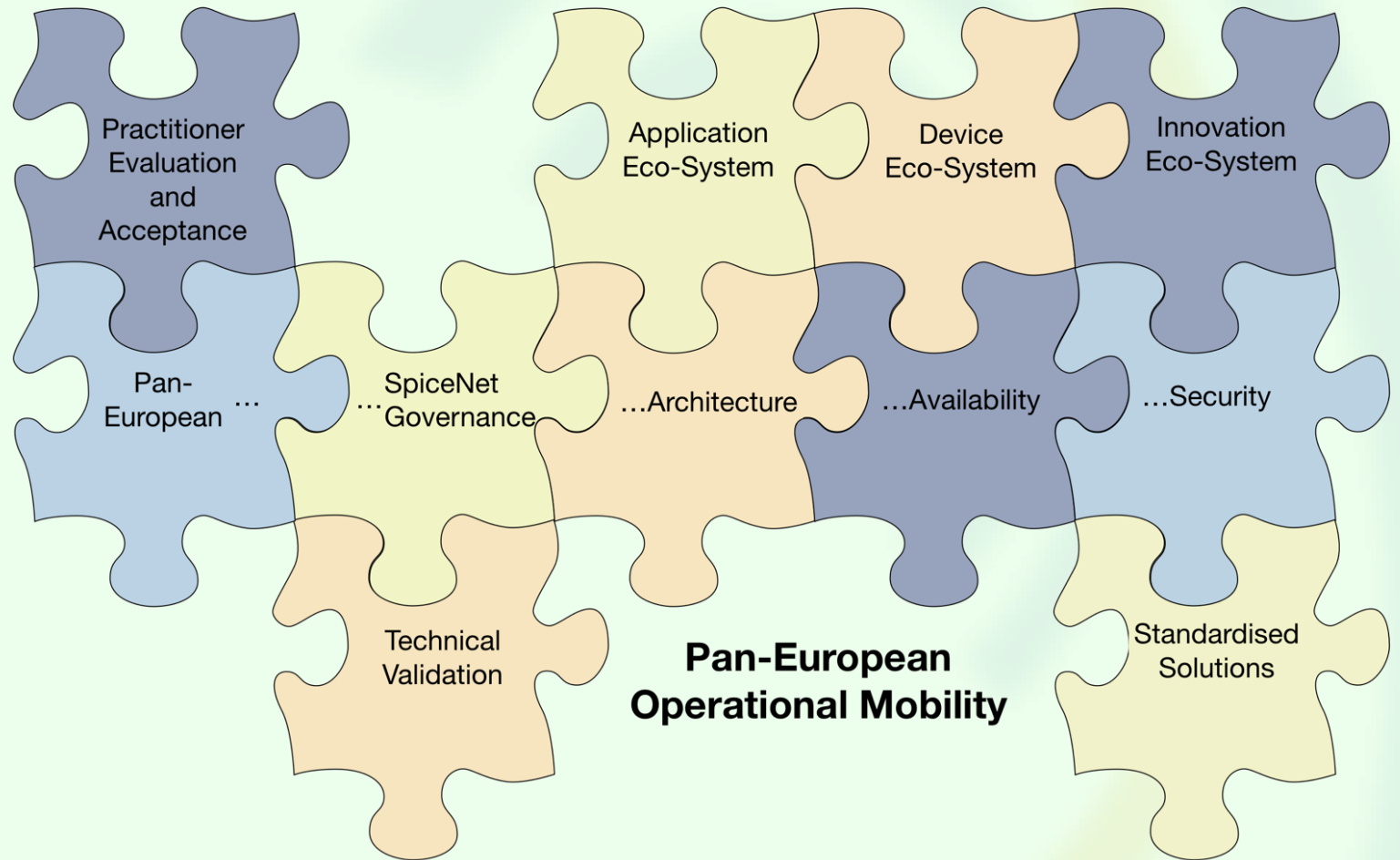
## Pan-European



## Ambition

BroadWay is ambitious!

Click here to find out  
how ambitious we  
really are







## Pan-European



## Use Cases

Some useful example use case scenarios that help to understand the scope of how BroadWay solutions will be used



Rescue operation – Barge of Irregular Migrants



Following a “go fast” drug convoy from south of Spain to Germany



Database queries from other EU country's PPDR organization



VIP protection and escort on high level summit in Brussels



Rescue operation – A Cruising ship on fire at Adriatic Sea



Heavy Truck and Tourist Bus collision at Finnish-Norwegian border



Natural Disaster – Forest Fire

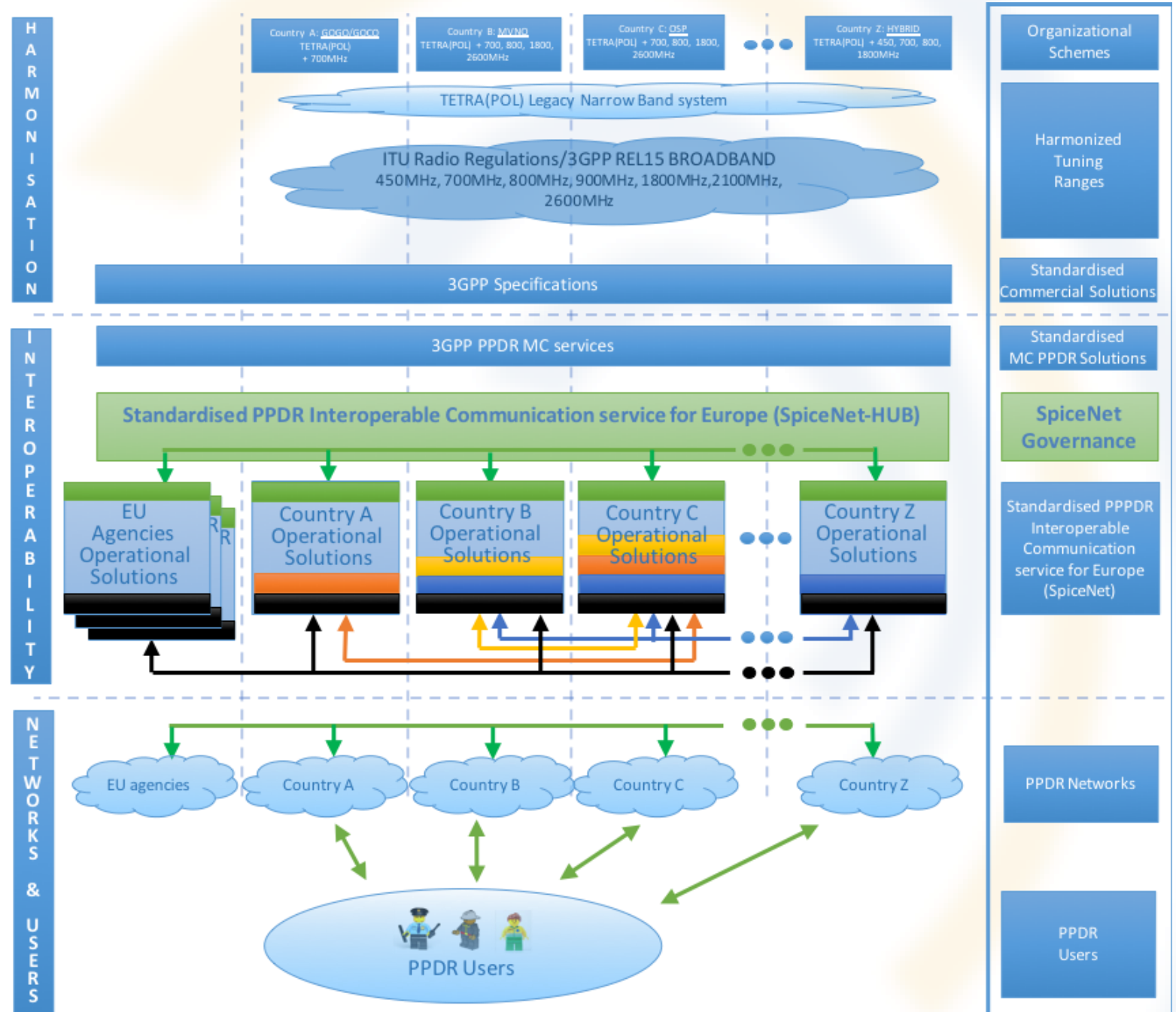


## Pan-European



## SpiceNet

The SpiceNet model proposes a reference architecture for harmonized pan-European PPDR mission critical broadband services





## Pan-European



## Consultation

Details of our open market consultation can be found here. We currently invite innovative suppliers to contribute to explain their background and capabilities to innovate



You Are Here

Open Market Consultation

Call

Design

Prototype

Pilot



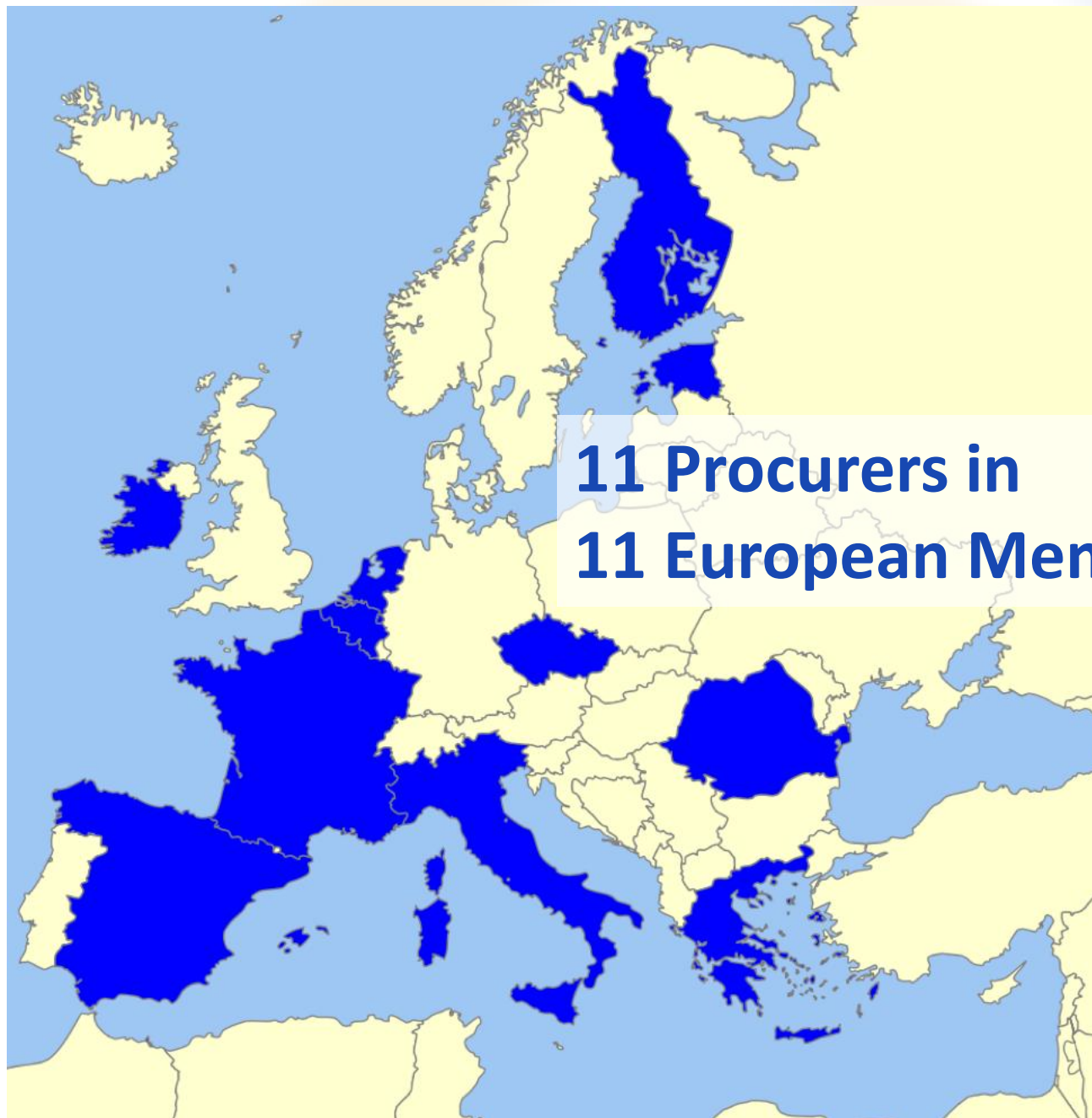




## Procurement & Evaluation Teams

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Responders from all disciplines will evaluate this new pan-European capability. User driven requirements, and user driven conformance.





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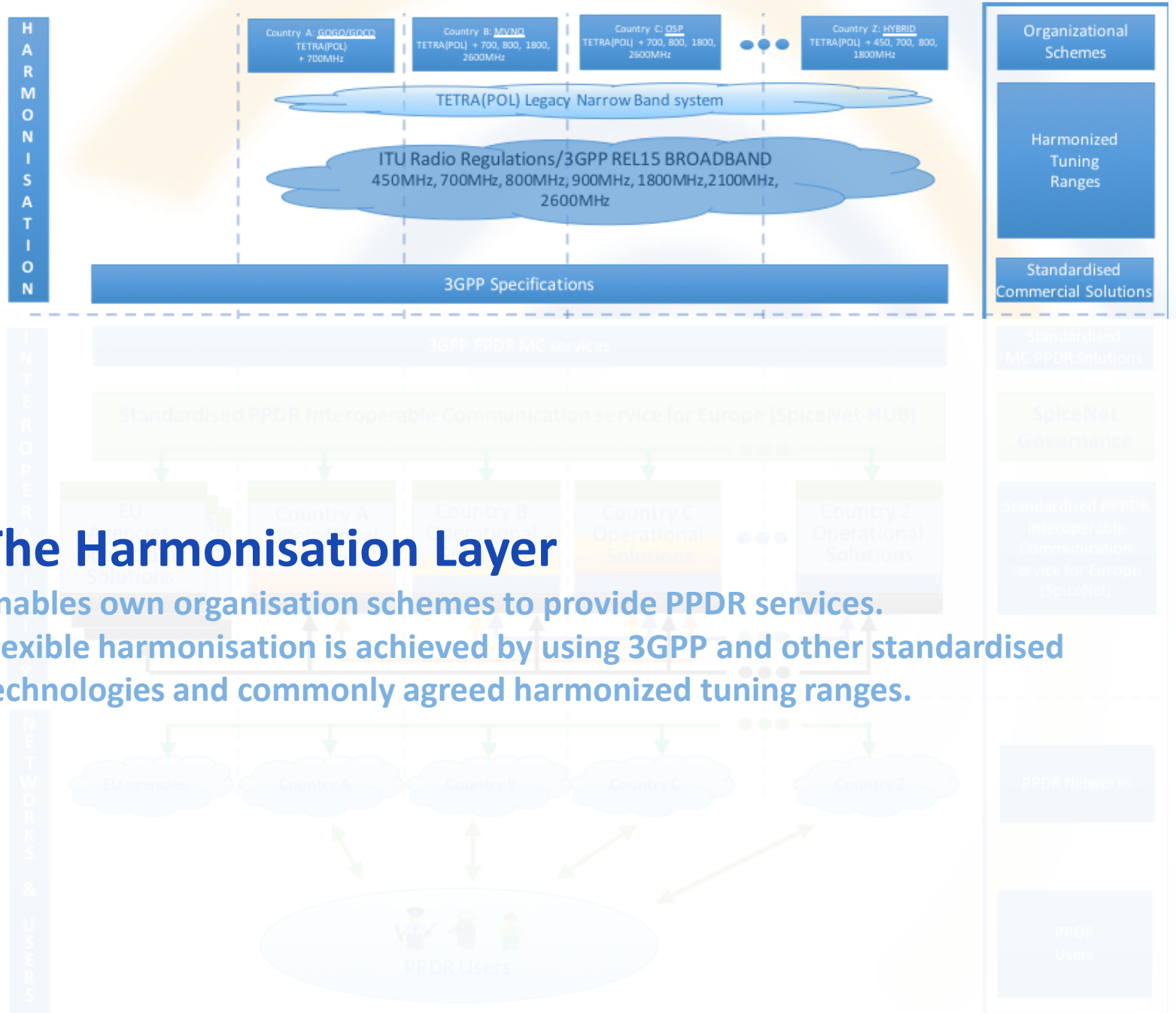
# Innovation & Vision

BroadWay will innovate!

We will procure innovative technological solutions,

and new ways for our Mission Critical mobile service providers and responder practitioners

to trust that the solutions they use, are fit-for-purpose and what they need.







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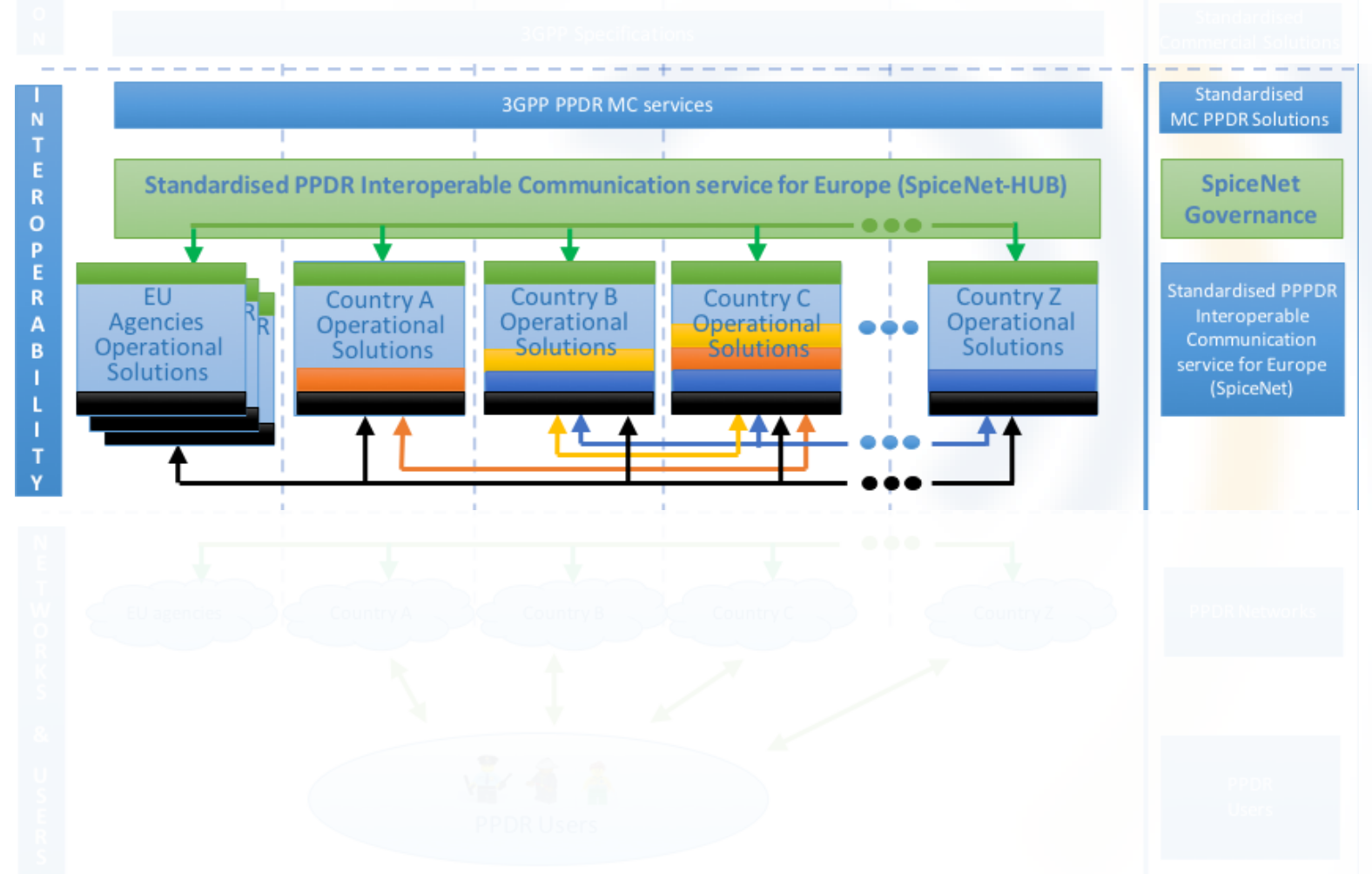
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what they need.

## The Interoperability Layer

defines SpiceNet as a common PPDR Pan European cross-border interoperability solution. This enables each country to use a set of common services for pan-European interoperability. For national interoperability countries have freedom to use their own operational solutions.





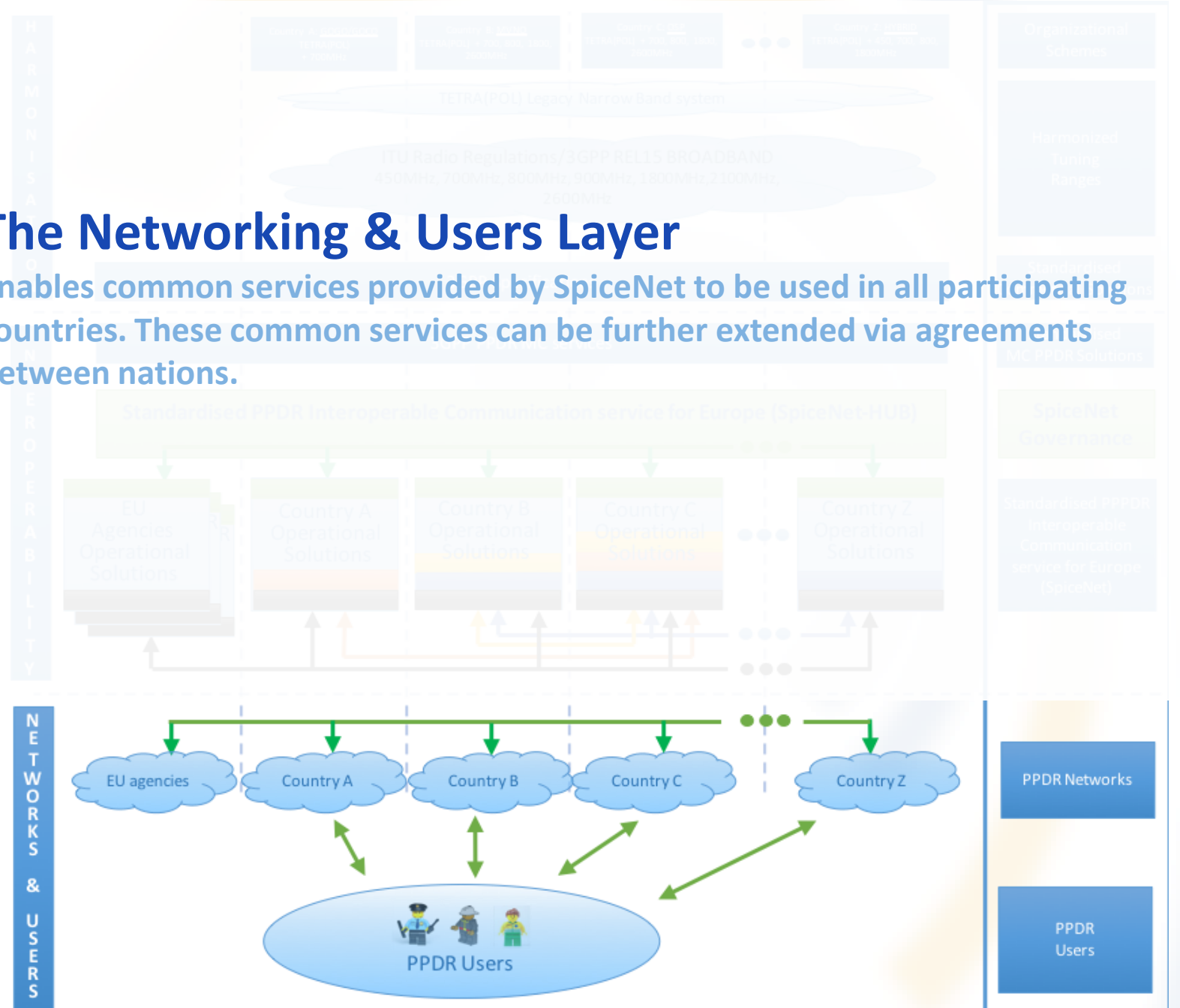
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## The Networking & Users Layer

enables common services provided by SpiceNet to be used in all participating countries. These common services can be further extended via agreements between nations.



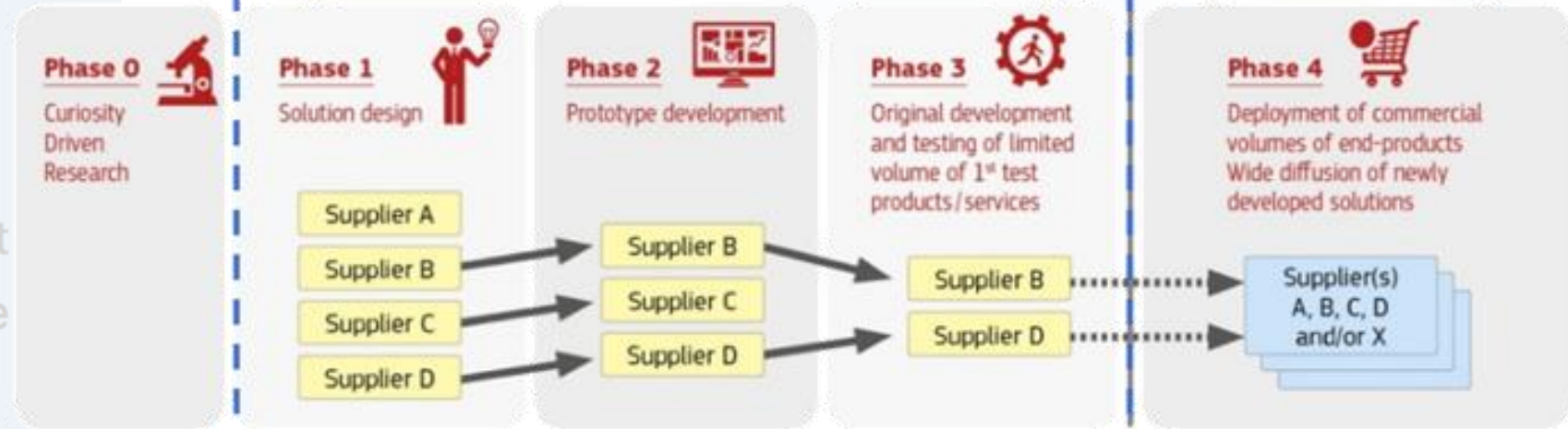


# Roadmap

BroadWay will not just innovate. We will pave the way to put that innovation into live an sustainable use for the BroadMap of Europe. We create a new and competitive eco-system of innovation within and beyond the BroadWay project.

May '18

2021/2022



Pre-Commercial Procurement

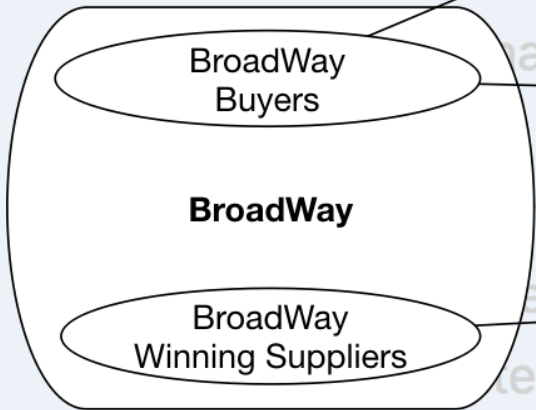
An understanding of the need

TRL8



# Roadmap

BroadWay will not just innovate. We will pave



Communicate Objectives

Define

External Suppliers

Achieve Conformance

SpiceNet Conformance

Supply

Depends On

Steer

Evaluate

Use

Responder Practitioners

**Sustainable BroadNet EGTC after BroadWay**

Approved Solutions

SpiceNet PPI Procurement

Deliver

Live EU Interoperable Broadband for PPDR

Join

Govern

Specify and Co-Fund

Govern service

Non BroadWay Buyers

Final System Buyers



# Indicative Timeframes

Tentative Timeline

Open Market Consultation

-PIN published on  
OJEU, Web briefing

-- June/July

-Briefings and  
Questionnaire

-- until end Sept '18

**2 Briefing/Delivery Team building workshops  
– mid Sept**

Solutions

Design

Standards

Sustainability

Test and Evaluation capability

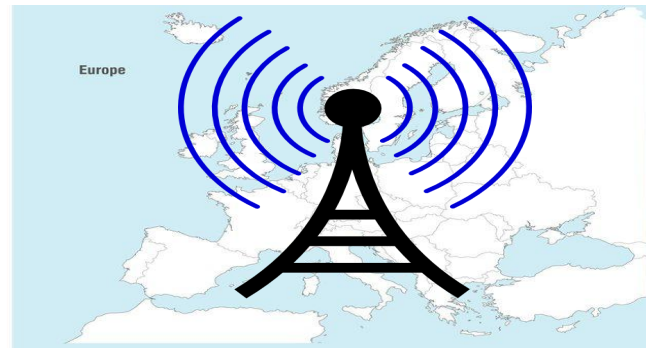
Prototype

Responder acceptance



Pilot  
Pan-European Pilot System – TRL8 – 2021

**PPI and/or  
Other finance**



**Standardised & Deployed**

**Sustainable & Evolvable**

The BroadWay project is has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No **786912**

