CELTIC-NEXT
Next Generation Telecommunications for the Digital Society

CLUSTERS TIC EUREKA Y PROGRAMA INNOGLOBAL 2018
4 April 2018, Madrid, Spain

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Celtic-Plus is…

Celtic-Plus
Smart Connected World

The flexible industry-driven programme for innovation in communications technology and its applications

- **open** to any organization willing to contribute to industry-driven ICT research and innovation collaborative projects
- Project proposal can be submitted twice a year **(next Call open until: 23 April 2018)**
- a Cluster for collaborative projects that is financed through public and private funding
- **900 private and public organisations:**
  - large industry players
  - small & medium-sized enterprises
  - academic/research institutions

www.celticplus.eu
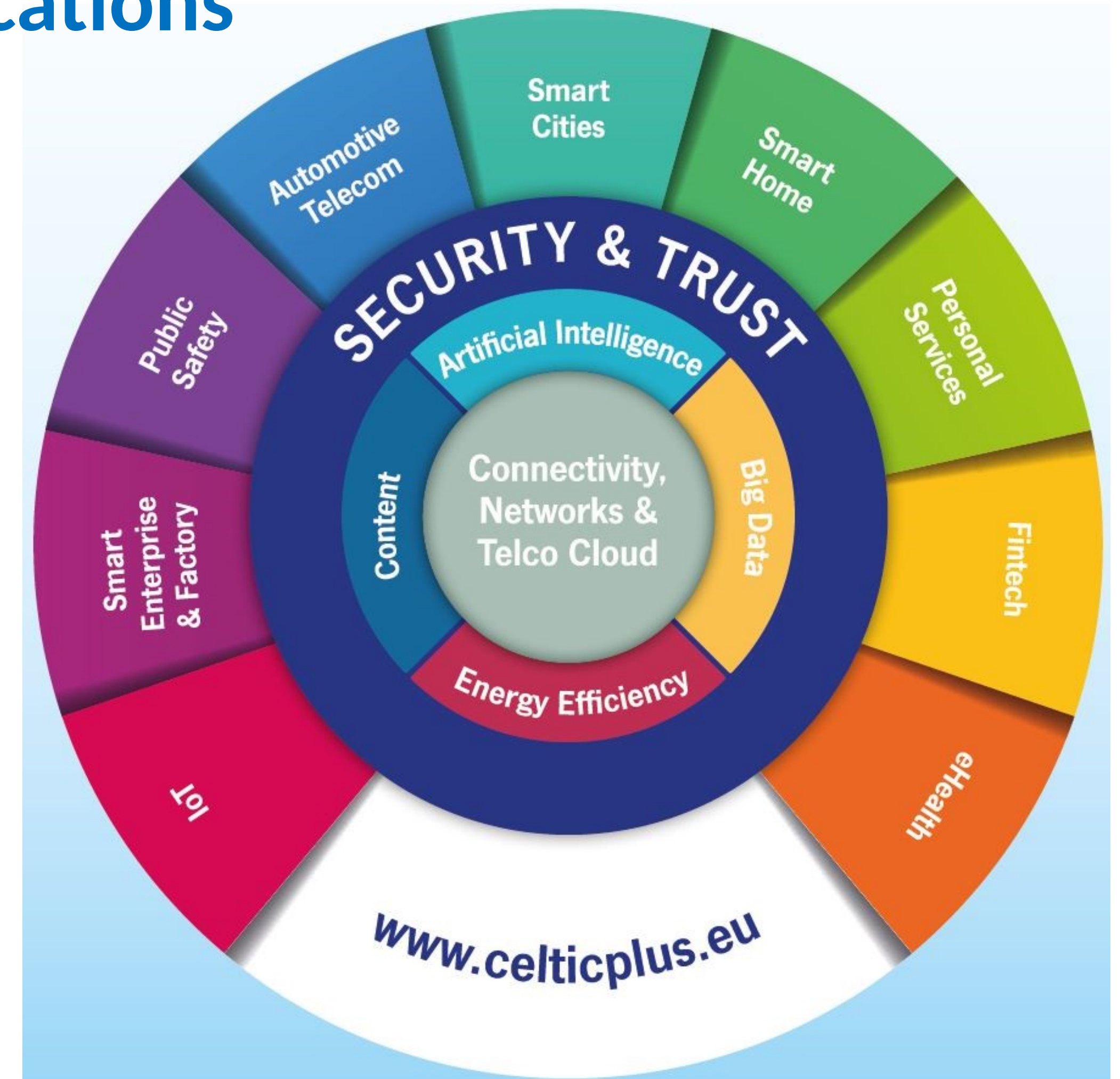
Celtic-Plus also is…

A Trans-National Program following National Priorities under the umbrella of EUREKA

Since 2004 more than 150 projects and a project volume of more that 1 billon €

- **Bottom-up**
  Proposers are free to define their project proposal according to their own research interests.

- **Close to the market**
  The projects have led to more than 800 new or improved products and services.

- **Success Rate**
  High-quality proposals have an good chance of receiving funding. **Average success rate 60 %.**

- **Flexibility**
  Project focus can be adjusted to new technological developments in the field.

Celtic-Plus Organisation

National Authorities

Celtic-Plus

Core Group

BT, TURK TELEKOM, TURKCELL TEKNOLOJI, SIEMENS, NOKIA, telenor, ERICSSON, THALES, orange, RAD data communications, EURESCOM, NETAS, Atos, indra, ITALTEL, Telefónica, gemalto security to be free

Management Team

Chairman: Jacques Magen		
Vice-Chair: Valerie Blavette, Orange	Vice-Chair: Jari Lehmousvori, Nokia	Vice-Chair: Riza Durucasugil, NETAS

Celtic Office Director
Peter Herrmann

CELTIC-PLUS OFFICE

Programme support team | Technical IT support team | Office admin support team | PR & Marketing support team | Finance support team

4

4 Steps towards the Celtic Label

Time line: 6 weeks in total

1. Proposal submission
2. Evaluation
3. Label decision
4. Evaluation Results to the Submitters

In Parallel: Contact your national authorities:
https://www.celticplus.eu/public-authorities/
Spain: CDTI and MINETAD

Evaluation of your Proposal

Evaluation by the Group of Experts[*)] (GoE)

List of Evaluation Criteria:

1. Excellence and technological innovation
2. Strategic relevance and impact
3. Potentials for exploitation of the results and for future business
4. Quality and efficiency of the implementation of the project proposal
5. Quality of the proposed consortium

Example of a typical outcome of GoE Evaluations

S = Suitable for Labelling
M = Modifications required
N = Not suitable for Labelling

*) **Most Experts are from the Celtic Core Group Companies**

Group of Experts evaluation					
Acronym	Rating	Recommendation			
		R1	R2	R3	S
Proposal 1	2.00	N	M	N	N
Proposal 2	3.00	M	M	M	M
Proposal 3	4.00	S	M	S	S
Proposal 4	4.50	S	S	S	S

Evaluation by Public Authorities

Example of a typical outcome of PA Evaluations:

Colour Codes Legend:

Ok, good for funding	Average chance for funding	Low chance for funding	Little or no chance for funding	No decision yet

Acronym	Country	Budget share in %	Comment	Status for funding	Funding Applicatio
Project 1	Finland	15.57	Good project funding likely	ok	Yes
Project 1	France	42.00	High FR buget share	no decision	Provisional
Project 1	Turkey	26.18	Project targets too many things without any special focus.	low	No
Project 2	Belgium	4.00	Partner will be self funded	ok	Yes
Project 2	Germany	8.57	Project is innovative but too ambitious.	average	No
Project 2	Netherland	23.00	Innovation with respect to the SoA not visible	low	Provisional
Project 2	Spain	7.48	Possibilities of funding by MInistry of Industry	average	Provisional
Project 2	Sweden	23.23	Good project funding likely	ok	Yes
Project 2	Denmark	11.61	No funding for Cluster project	no funding	No

Label Decision

GoE Evaluation Results

PAs

Celtic Label
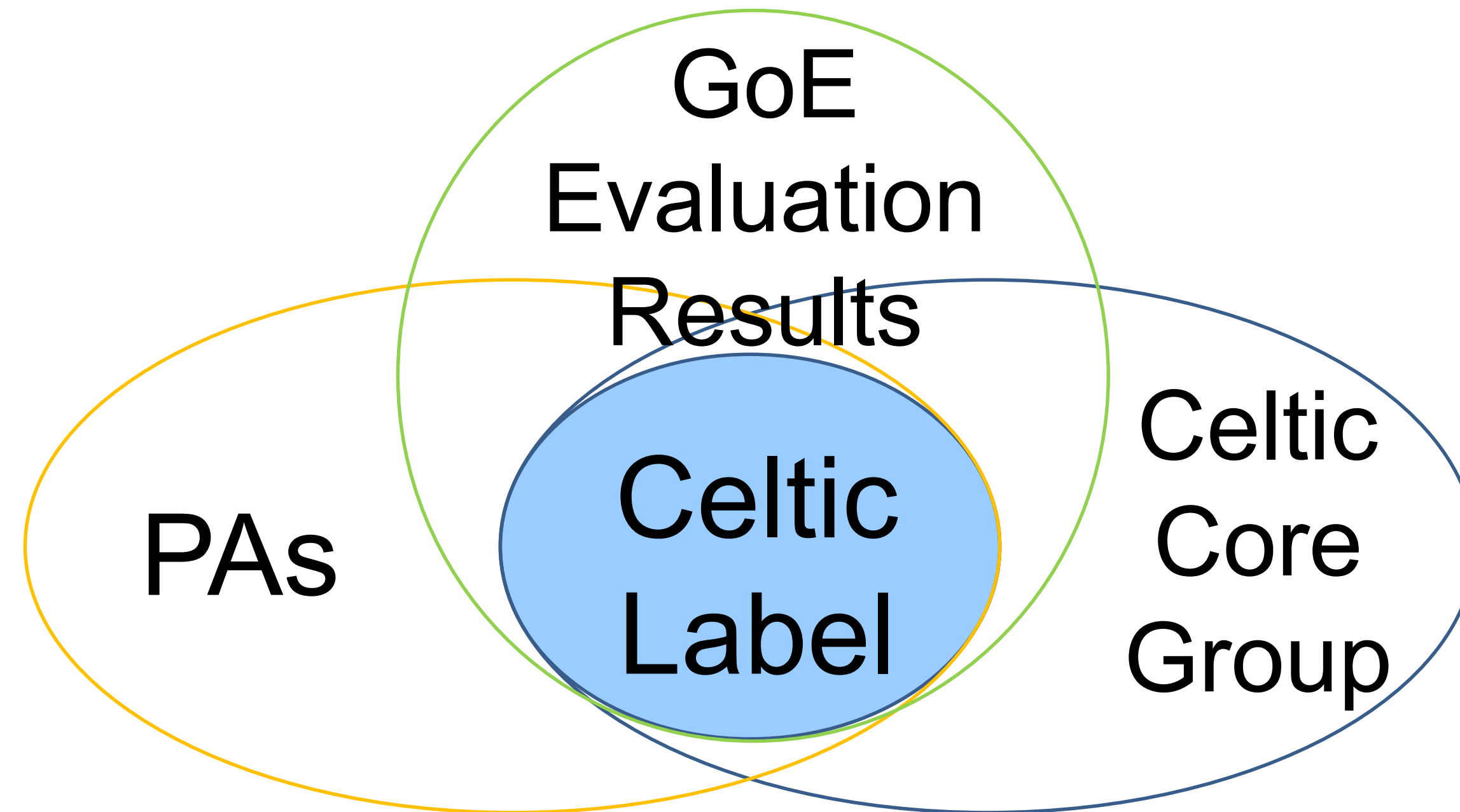
Celtic Core Group

- The decision on the label of proposals is taken in a common meeting of the Public Authorities and the Celtic Core Group.

- In addition to technical quality and business relevance national priorities can also be a criterion.

Project Set Up Process

The Set Up process starts with labelling of the Celtic Project

- In EUREKA projects the funding is granted by ministries of the participating countries.

- Projects usually start when mandatory partners have green light for funding.

- The Celtic Office organises monthly phone contacts to help projects to conclude this critical phase.

- In the last years a success rate for running projects 60 % has been achieved.

Join a Labelled Project

Check Projects Overviews at Celtic-Plus website, with status classification of "set-up" or "running": https://www.celticplus.eu/running-projects/

- In case of interest directly contact the Coordinator
- For information on funding contact the Public Authorities
- For information on the Programme contact the Celtic-Plus Office

Project Live Cycle

The Celtic-Office supports with tools, templates and advice

Project Preparation | **Project Active**
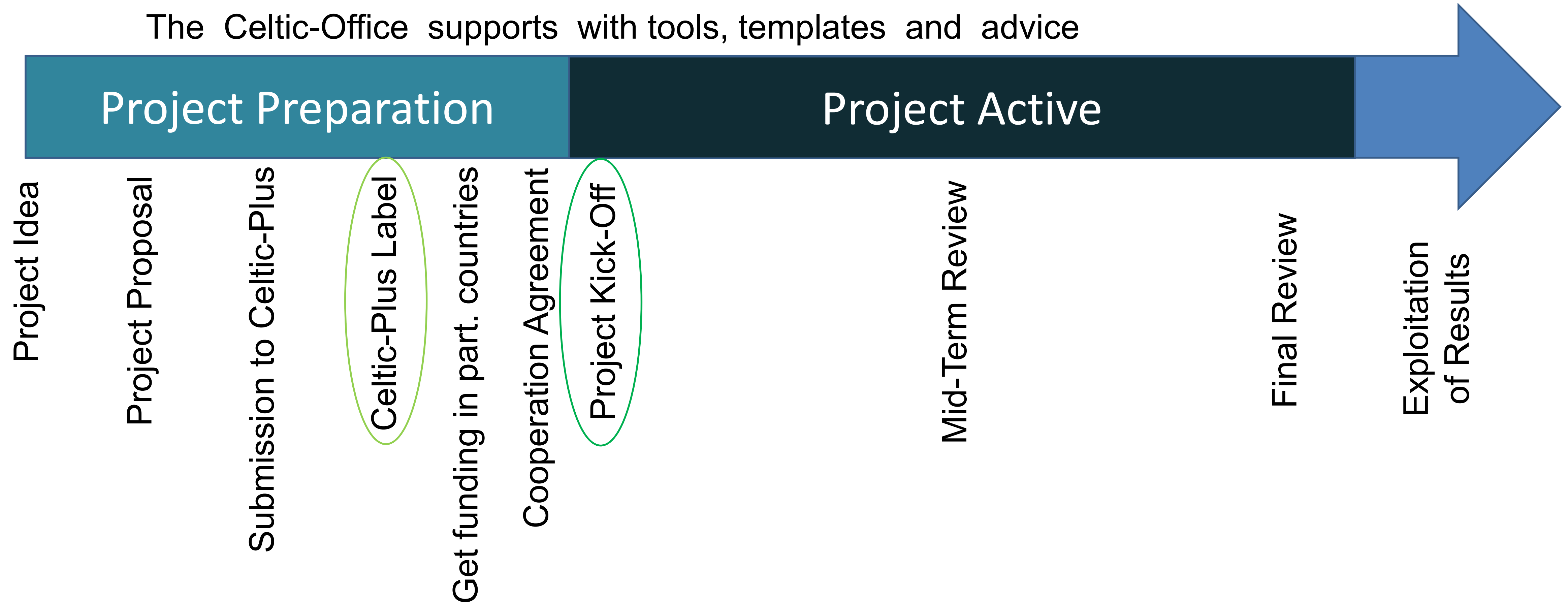
- Project Idea
- Project Proposal
- Submission to Celtic-Plus
- Celtic-Plus Label
- Get funding in part. countries
- Cooperation Agreement
- Project Kick-Off
- Mid-Term Review
- Final Review
- Exploitation of Results

Applications and services available to businesses and citizens have become increasingly accessible anywhere and anytime, thanks to broader mobility and to the deployment of cloud technology. At the same time, security and privacy issues have become primary concerns.

In an increasingly digital society, CELTIC-NEXT is the key to the development of the next generations of enabling telecommunications technologies and services, that will reflect the evolving needs of businesses in all sectors and citizens in Europe and beyond, for a broad range of applications and solutions.

Celtic Label Renewal - Calendar

- *May/July 2017: Celtic Chair informs Finnish Chair and inter-cluster committee of the willingness to apply for a renewed label*

- *September 2017: Celtic Management Team "Label Brainstorm" meeting and telco/exchanges with Core Group*

- *18 October 2017: Presentation of the preliminary ideas at the EUREKA HLG/NPC1 in Tampere, Finland*

- *23 January 2017: meeting with Celtac and Core Group to discuss operations and label*

- *Mid-February 2018: "CELTIC-NEXT White Paper" released*

- *7 March 2017: presentation of the status of the label + industry view presentation at the EUREKA HLG/NPC2 meeting in Oulu, Finland*

- **26 March 2018: "CELTIC-NEXT Scope & Research Areas" released**

- **Mid-April 2018 : CELTIC-NEXT EUREKA Label Application Form submitted to the EUREKA Secretariat**

- Mid-April: CELTIC-NEXT response to the Cluster Guidelines requirements

  - April-May: Inter-Cluster Committee review of the Celtic renewal application –recommendation to the EUREKA Network

- **19/21 June 2018: Formal presentation of the CELTIC-NEXT label at the EUREKA NPC/HLG3 meeting in Helsinki, Finland** *–and approval?*
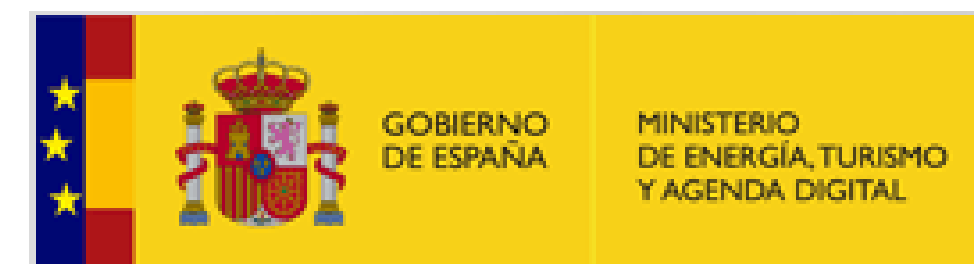
15 years Spanish Participation

	Number of projects with Spanish participation	Budget Spanish Partners [M€]	Budget all Project Partners [M€]
Total	108	199	722
set-up	13	25	111
Running	10	13	57
Finished	85	161	553
Funded	91	172	578
Self-funded (ES-Partners)	4	2	32

Selected success stories

EUREKA

HIPERMED

EUREKA INNOVATION AWARD 2014 — innovation across borders

HIPERMED

SME-led project

High-Performance Telemedicine Platform
Cost-effective healthcare even in remote areas

EUREKA INNOVATION AWARD 2015/16 — innovation across borders

4GBB GOLD/G.fast

HFCC/G.fast

Hybrid Fiber-Copper connectivity using G.fast
Brings broadband to the home with existing copper cables
More than 1 million customers by end of March 2018
10 million premises connected by end of 2020

SASER

Celtic-Plus Excellence Award 2016-2017

S△SER

Flagship Project

Safe and Secure European Routing
60 partners, 80 M€ invested in innovation
55 products commercialized, 2 start-ups created

Celtic-Plus Excellence Award 2017

NOTTS

NOTTS

Next generation Over-The-Top multimedia Services
context –aware and media–aware delivery platform

And many more…

Celtic-Plus Calls twice a year
in Spring and in Autumn

Submit your project proposal to the next Call:

- ## Spring Call open until 23rd April 2018

Preparing and submitting a Celtic-Plus project proposal is easy:
- register on the Celtic-Plus Online proposal tool
- fill in the web forms
- upload your proposal

A template for the proposal can be downloaded from our Call information page ("proposal forms and documents") Information via www.celticplus.eu

Contact:
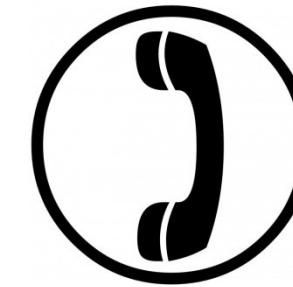
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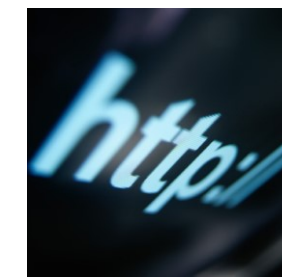
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https://www.youtube.com/user/CelticplusVideos

https://www.linkedin.com/groups/3875389
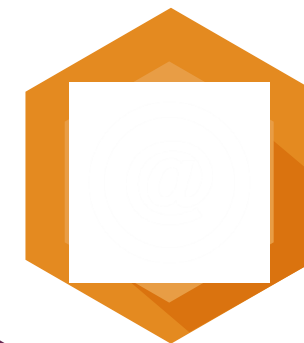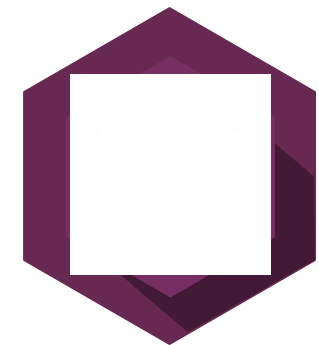
Celtic-Plus Project Highlights

HIPERMED (HIgh PERformance teleMEDicine platform)

Development of a high-performance low-cost telemedicine platform, which has a huge potential for helping reduce healthcare costs in developed countries and providing cost-effective healthcare to remote areas of developing countries.

EUREKA INNOVATION AWARD 2014
innovation across borders

HIPERMED
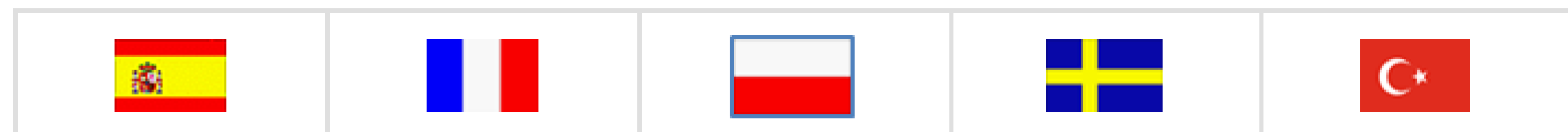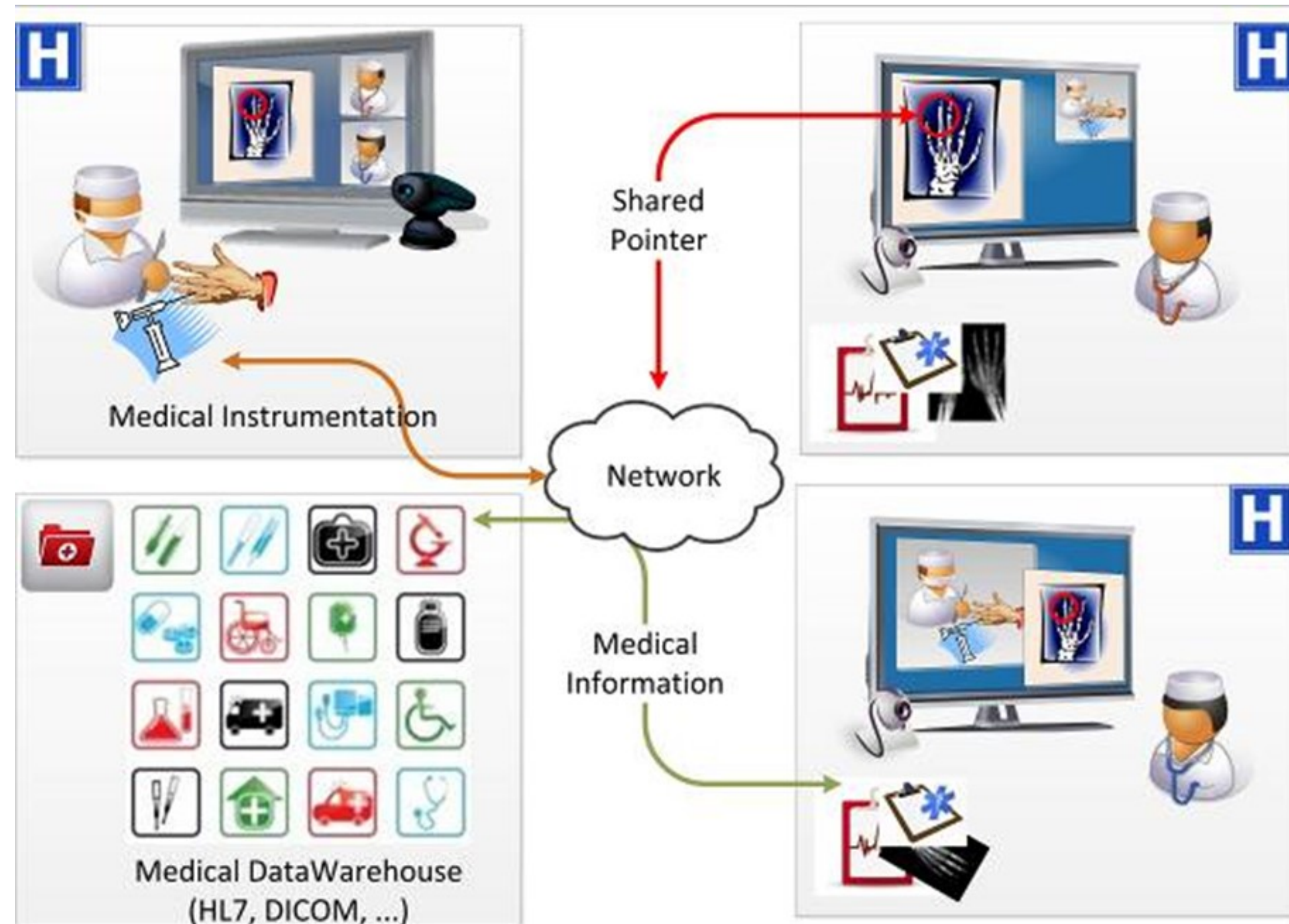
Celtic-Plus Project Highlights

Celtic-Plus
Smart Connected World

Celtic-Plus
Innovation
Award 2017

CoMoSeF

Co-operative Mobility Services of the Future

COMOSEF conducted a number of large-scale pilots in Europe, including France, Spain, Romania, Finland, Luxemburg and Turkey, as well as in S-Korea.

The project generated 22 new and 24 improved products.
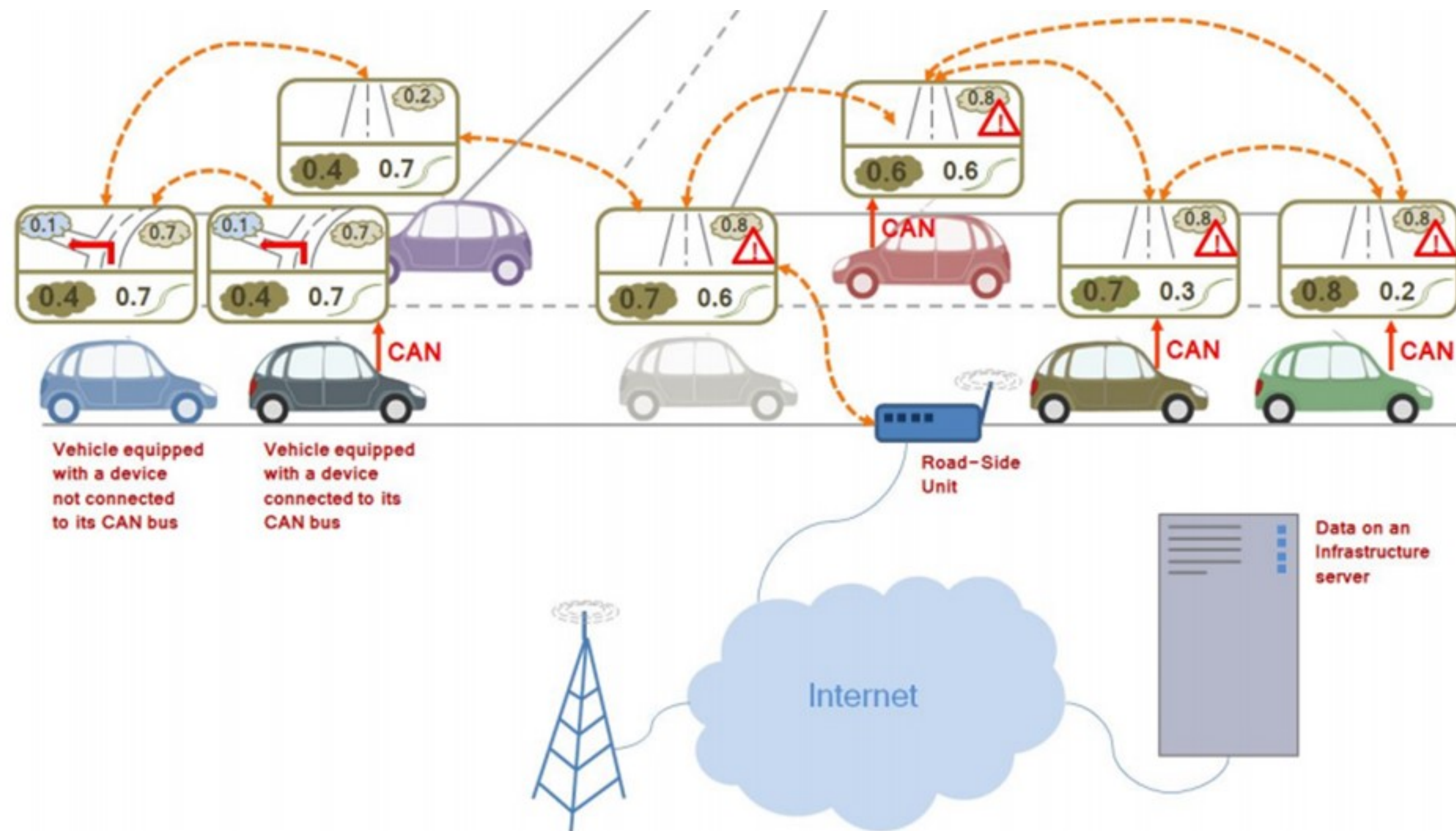
- New ITS solutions by CoMoSeF:
- Clear view for the driver in foggy weather situations and warning of crossing pedestrians.
- Icy road prediction service.
- Traffic authorities exchange road information with cars, and vice versa.
- Taxi fleets in Finland use the equipment, for information about traffic jams for cost-reduced trip planning.
- More info: **http://tiny.cc/comosef**
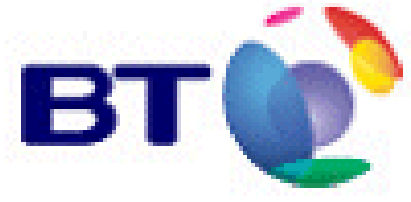
Celtic-Plus Project Highlights

Cost-effective ultra-broadband access

- The G.fast demonstrated throughput of nearly 1Gbps per copper pair at 100 meters,
- 10 times higher compared to existing DSL technology.

Celtic-Plus Excellence Award 2013   Celtic-Plus Innovation Award 2014

4GBB GOLD/G.fast

EUREKA INNOVATION AWARD 2015/16
innovation across borders
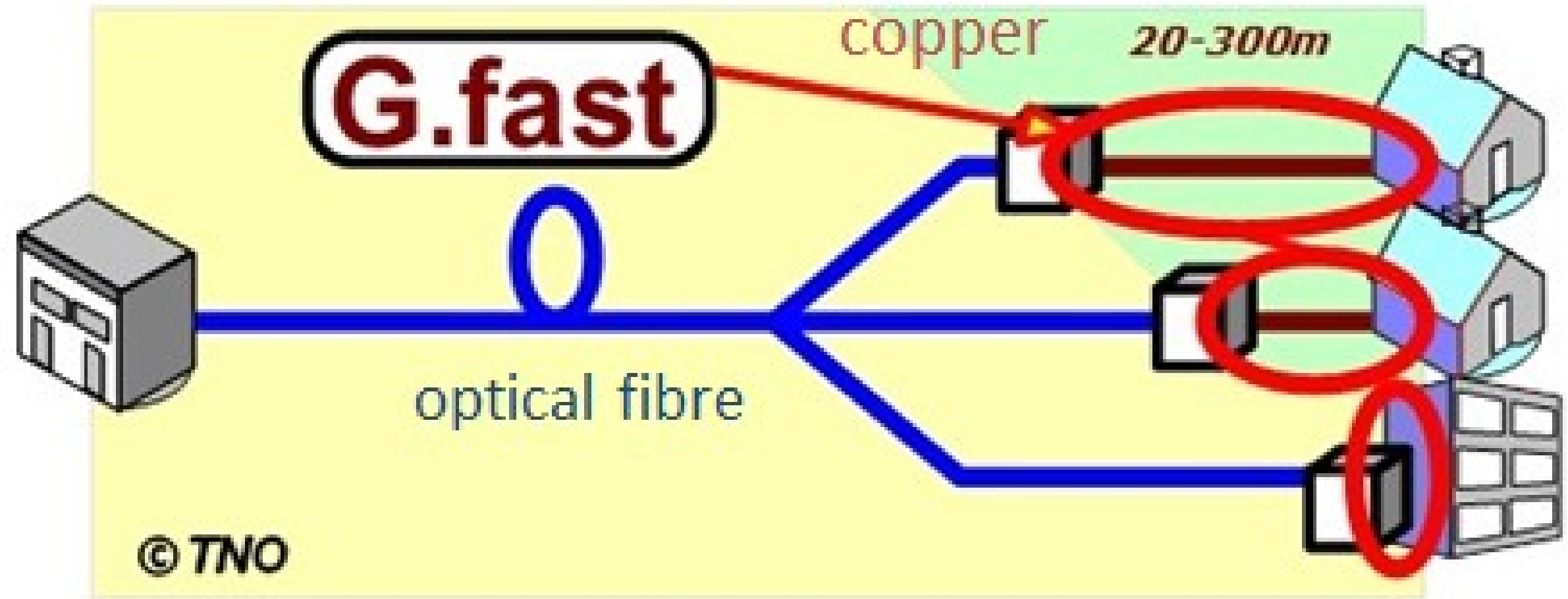
G.fast is quickly turning into a key technology for European operators, said Trevor Linney, head of Access Network Research at BT:

- "We are on track to deploy more than 1 million customers by end of March 2018"
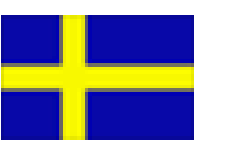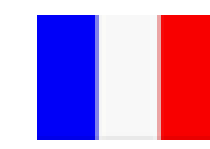- "By end of 2020 10 million premises will be connected"

BT

Celtic-Plus Project Highlights

Secure Networking for a Data centre cloud in Europe

Mid Term Event of the 70 M€ Flagship Project SENDATE in Paris

Solution to connect European data centres through enhanced transport networks and improved networking concepts that result in reinforced overall security.

Heikki Uusi Honko (TEKES, Finland, Finish Eureka Chair) (left),
Dr. Heike Prasse   (BMBF, Germany, Head of Unit Communication Systems; IT Security) (centre in red),
Andreas Aurelius   (VINNOVA, Sweden, Head of ICT department) (right)