

EUCNC 2017

Concluding Remarks and Way Forward



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EUCNC 2017 – some figures

- > 600 registered participants to conference including exhibitors, from 32 countries
- > 15% of registered participants originating from outside the EU
- > 240 submitted papers,
- > 25% papers fully originating from non EU authors
- > 40 Exhibition booths

è EUCNC 17: a great international success!



Some take-aways from EUCNC17

5G Actions towards deployment started

- Proof of concepts and demos
- Testing facilities
- Industry readiness progressing fast, multi views?
- Standards, spectrum

But:

- Still far away from full 5G promises
- 5G full mobility particularly challenging
- More attention needed beyond radio access
- New concepts to validate, e.g. micro operators

R&D and use case validations still very relevant !





EUCNC 2018

- Next year EUCNC conference will be in Ljubljana!
- 18 – 21 June
- Themes: TBD
- Target: continue increasing scientific quality and international participation.
- è Stay tuned





5G-PPP Phase 2



5G PPP Phase 2 objectives

- Leverage work and results of Phase 1 (WP 2014-15)
- Accelerate on proof of concepts and demonstrators
- Where technological maturity permits, validate research results through use case from relevant vertical sectors (e.g. connected cars, eHealth etc.)
- Scalability and usability of mixed network technological approaches towards validation of deployment at scale (ICT-08-2017)





Phase 2 Projects

5G ESSENCE

IoRL

5G-MoNArch

METRO-HAUL

BlueSpace

ONE5G

5G-PICTURE

5GCAR

5G-TRANSFORMER

5G-Xcast

NRG-5

SLICENET

SaT5G



global5g.org

[EuConNeCts3](#)

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5G-PHOS

5G-MEDIA

NGPaaS

MATILDA

5GCITY

5GTANGO

[5G-CORAL](#)

[Clear5G](#)





Fund distribution by type of beneficiaries (retained)

	SME	RO	HES	PRC	EU Grant
Private	32,932,556	24,260,528	3,609,158	56,822,495	117,624,737
Public	0	7,126,815	23,729,755	0	30,856,570
Total	32,932,556	31,387,343	27,338,913	56,822,495	148,481,307
	23%	21%	18%	38%	Tot industry: 61%
% Phase 1	14.5%	15%	21%	49.5%	64%





Number of beneficiaries (retained)

- In Phase 1: 172 (across 19 projects)
- In Phase 2: 244 (across 24 projects)
- In Phase 2 and not in Phase 1: 156 (of which 32 are new to H2020)

è 64% of Phase 2 beneficiaries are new with respect to Phase 1





Portfolio Assessment

Very strong portfolio:

- The inclusion of verticals has been achieved (automotive, healthcare, energy, media..)
- Holes of phase one have been addressed (satellite, optical)
- Strong move towards software networks and cloudified networks both at RAN and Core level;
- Basis for programme integration and phase 3 preparation
- Industrial drive



5G-PPP Phase 3



Towards 5G PPP Phase 3 (Work Programme 2018-20)

User needs, partnerships with vertical industries

5G R&I for "Long Term Evolution"

Early 5G introduction
Lower frequency bands

Later 5G introduction
Higher frequency bands

Phase 3 b) Integrated Verification Trial
- radio+network+applications
- Support to 5G action Plan Trial Roadmap

5G Connected Cars in EU corridors

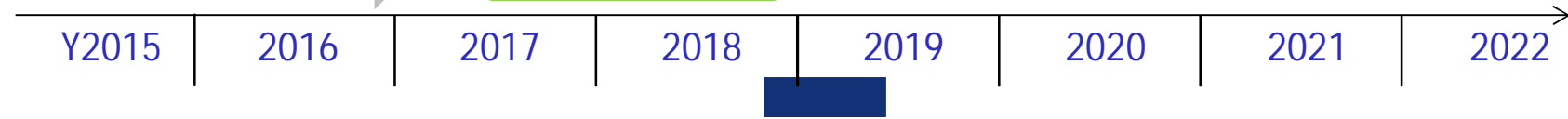
Phase 3 a) Verification Demo/Trial Platform
- Integration radio+ network

Kick off at EUCNC
14, 15 June

Phase I Core Technologies

Phase 2 - Demos
PoC- Core Techs
Components

Planned adoption: October





International cooperation, moving forward

	R&D , 2018-20 Work-programme	Policy
JAPAN	<ul style="list-style-type: none"> - Applications and trials with 5G networks 3M€ - Beyond 5G, applicability of spectrum >275 GHz 3M€ 	<ul style="list-style-type: none"> - Spectrum, interop at different bands
REPUBLIC OF KOREA	<ul style="list-style-type: none"> - Application trials at mmwave bands 2 M€ - Interworking across multiple radios 2 M€ 	<ul style="list-style-type: none"> - Standard, validation of specs
PEOPLE'S REPUBLIC OF CHINA	<ul style="list-style-type: none"> - Trials at 3,5 Ghz and in the V2X context 6M€ 	<ul style="list-style-type: none"> - Spectrum co-operation - Standards, preparing 5G phase 2 through trial results
TAIWAN	<ul style="list-style-type: none"> - End to End Testbeds for specific applications: 4 M€ 	
USA	<ul style="list-style-type: none"> - Coordination of EU-NSF projects relevant to the Advanced Wireless Platform programme: 2M€ 	
BRAZIL	<ul style="list-style-type: none"> - mMTC/URLLC Trials, 1 M€ 	<ul style="list-style-type: none"> - Spectrum co-operation - Standards trialling



What's Next?

Short term: mid Term Review of cPPP's and H2020

- ü Very important exercise
- ü Impact, Impact, Impact. Key to demonstrate
- ü Will be used as input towards next MFF (including FP9)

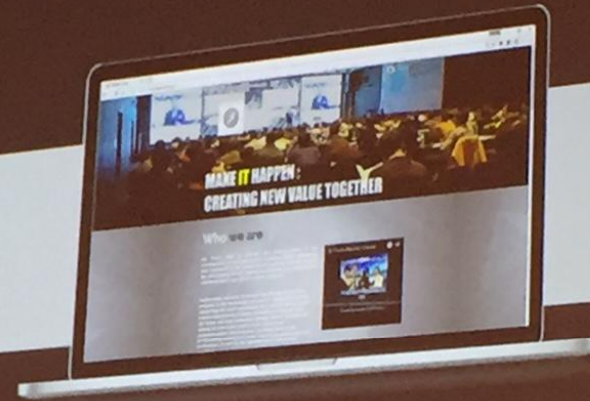
Longer Term: Next Multi Annual Financial Framework, MFF

- ü The budgetary period will include FP9 aspects
- ü Reflection already started in MS and in EC
- ü EC intention is to make a proposal by mid 2018
- ü Important that you are engaged in the discussion with your national administrations
- ü Options very open at this stage, but good ideas welcome!

The 4th Global 5G Event in Seoul, Korea See you Again in Seoul on 22-24 November 2017

Please visit

<https://www.5gforum.org/eng>
<https://www.4th-g5ge.org>





See you
@EuCnC
2018!

