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2017 Annual Report

ETIP SNET Governing Board Meeting
24 January 2018

Konstantin Staschus
Vice-Chair

From a fragmented EU advisory to an integrated framework



**A new focus on
innovation /
implementation and
on sector coupling**





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Gathering key stakeholders of the Energy Transition...



Transmission System
Operators (TSOs)



Distribution System
Operators (DSOs)



National
Representatives



Research
& Academia



Storage
(technology and services
providers)



Consumers
(aggregated and
not aggregated)



Thermal Generation
(flexible)



Renewable Energy
Sources Generation



ICT, Network and Software
providers



Equipment
manufacturers
and suppliers (non-ICT)

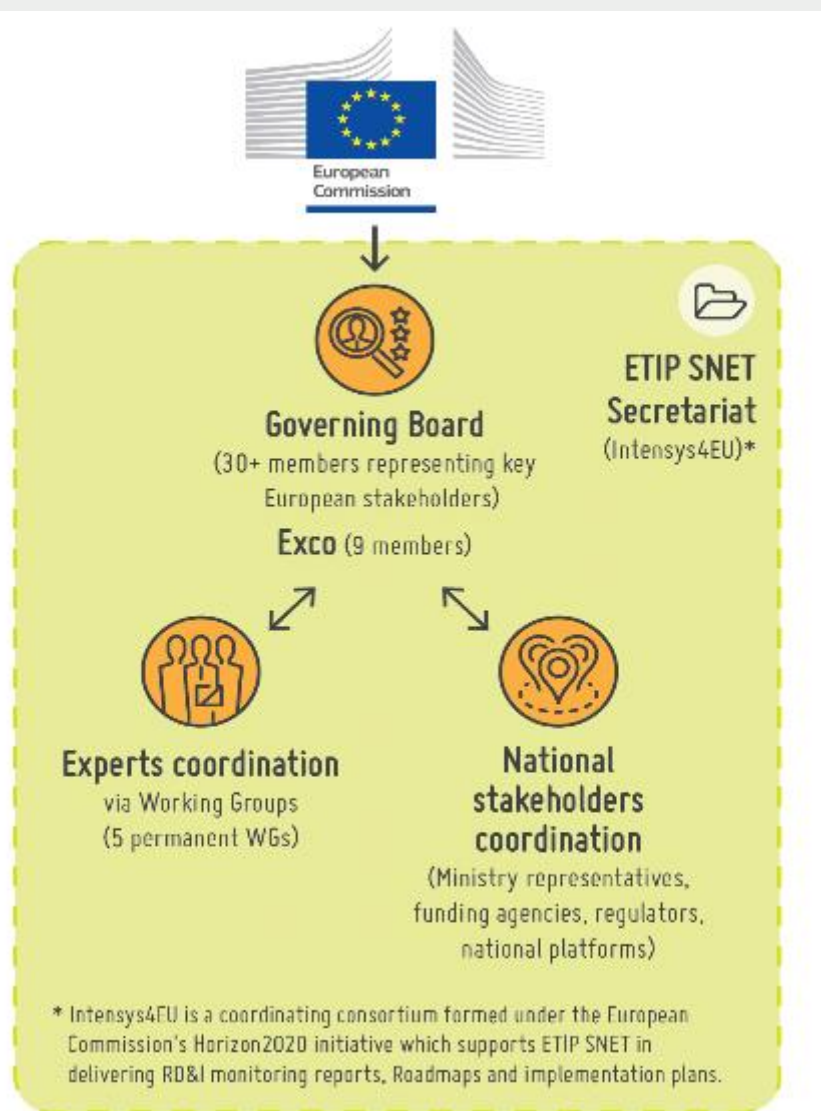


Interface to Other
Energy Carriers
(Heat, Transport, Gas, ...)



Regulators

... In a structured manner



WG1

Reliable, economic and efficient smart grid system



WG2

Storage technologies and sector interfaces



WG3

Flexible Generation



WG4

Digitisation of the electricity system and customer participation



WG5

Innovation implementation in the business environment



NSCG

National Stakeholders Coordination Group



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2016 : a preparatory year

June 16

**Launch of ETIP
SNET & ToRs
adoption**

Sept. 16

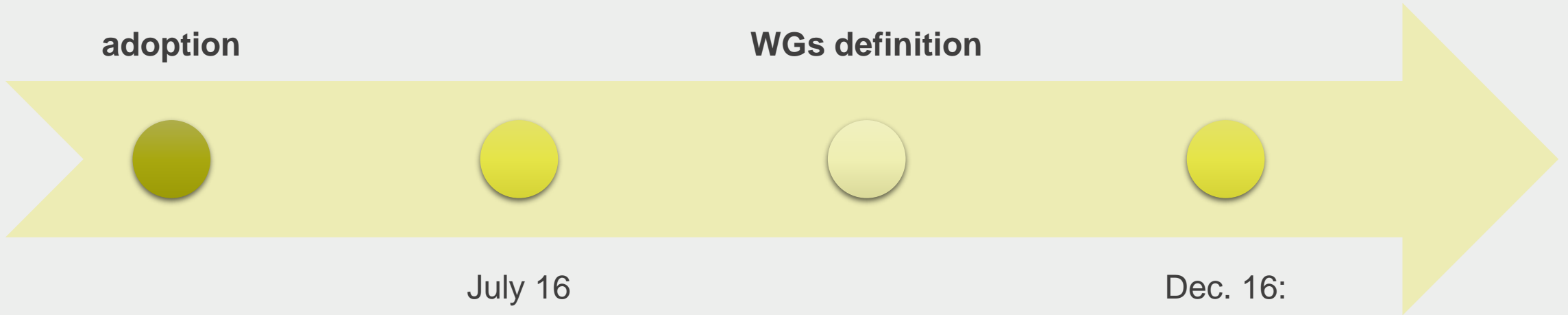
WGs definition

July 16

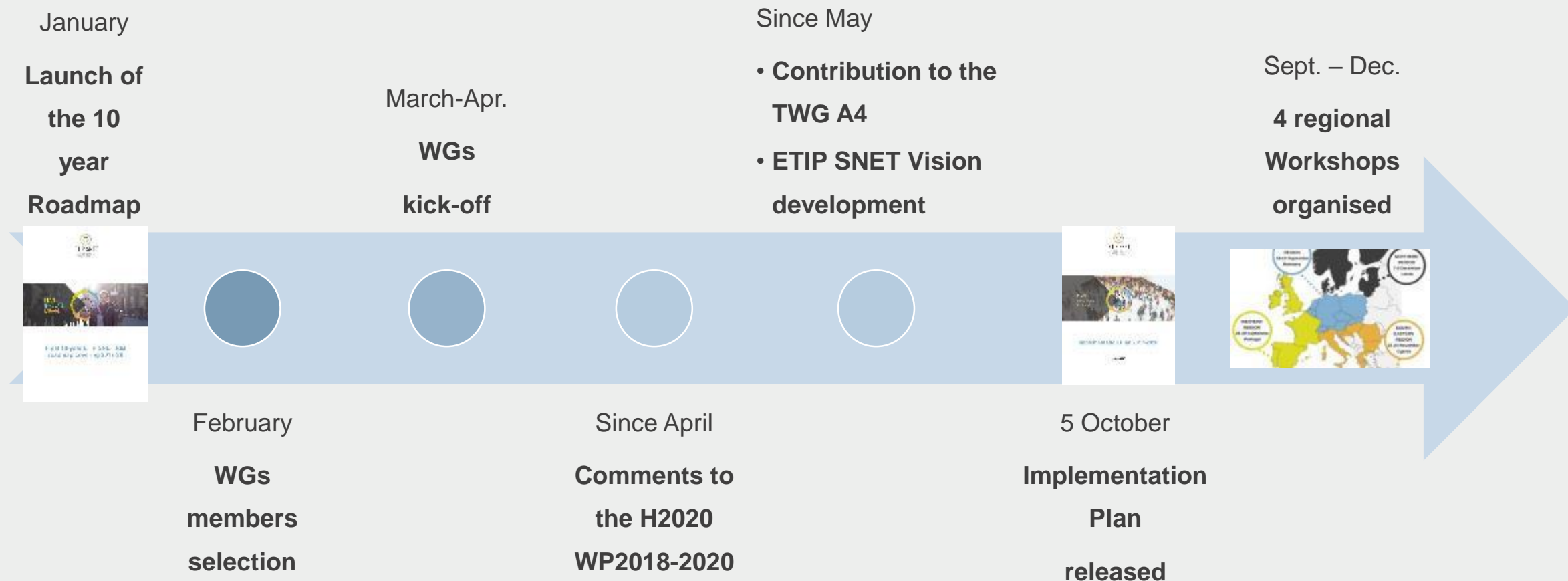
**Chair & Vice-
Chairs selection**

Dec. 16:

**WGs Chairs & co-
chairs selection +
WGs ToRs adoption**



2017 : An intense kick-off year



2017: Governing Board meetings

3 meetings:

- 27 March 2017
- 30 May 2017
- 26 September 2017





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2017 : Executive Committee Calls

Regular Conference calls:

- 26 January 2017
- 26 February 2017
- 23 March 2017
- 27 April 2017
- 23 May 2017
- 22 June 2017
- 24 August 2017
- 25 Sept 2017
- 5 October 2017
- 26 October 2017
- 23 November 2017



From left to right: Emmanouil Kakaras, Michael Huebner, Maher Chebbo, Vicente Gonzalez, Nikos Hatziargyriou, Cristiana La Marca, Konstantin Staschus, Thierry Le Boucher, Michael Ladwig, Andreea Strachinescu, Remy Denos



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2017 ETIP SNET

Main Achievements



ETIP SNET Working Groups



- WG1: Reliable, economic and efficient smart grid system



- WG2: Storage technologies and sector interfaces



- WG3: Flexible Generation



- WG4: Digitalisation of the electricity system and Customer participation



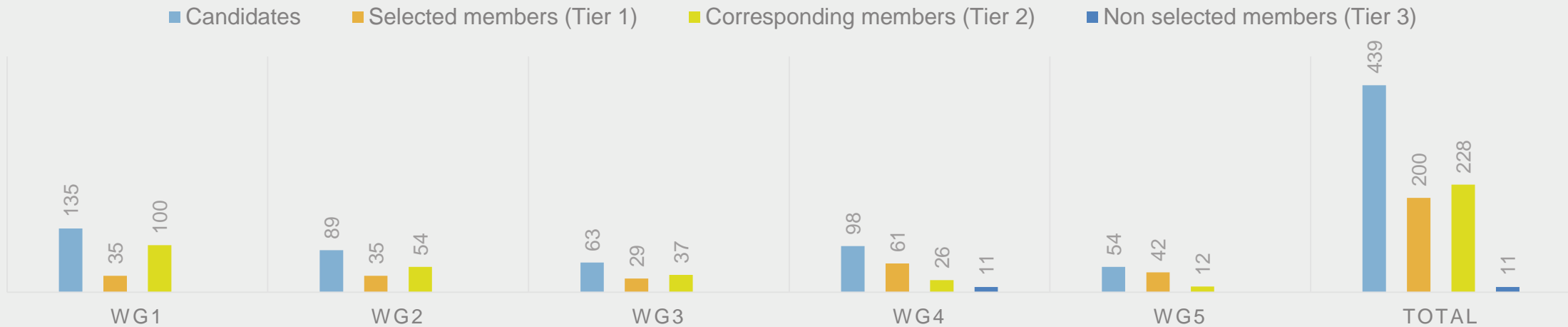
- WG5: Innovation implementation in the business environment

Domain	Working groups			
System	WG1: Reliable, economic and efficient smart grid system			
Technology		WG2: Storage technologies and sector interfaces	WG3: Flexible Generation	WG4: Digitalisation of the electricity system and Customer participation
Market				
Society				



2017 Achievements: Working Groups launch

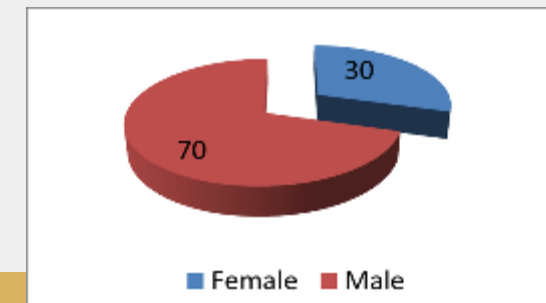
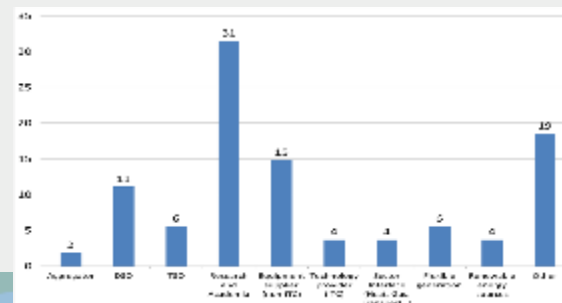
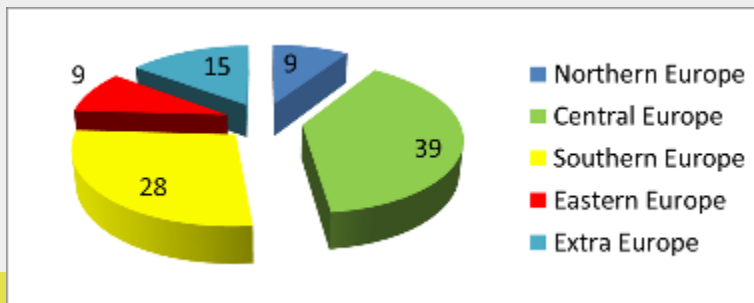
February 2017 : Working Groups candidates appointment



Selected members (Tier 1) attend web and physical meetings and contribute to the work of the WGs

Corresponding members (Tier 2) can access the main documents posted in the private area of each WGs

Reserve members (Tier 3) Experts that can be consider as a “reserve”

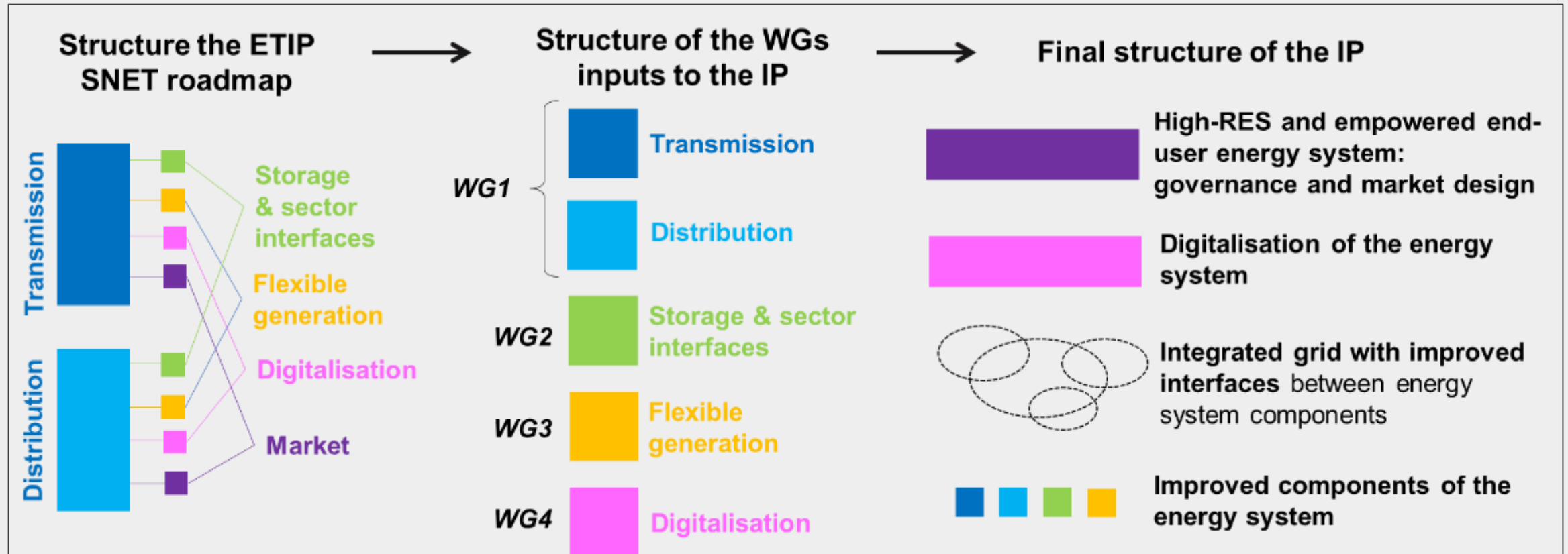


2017 Achievements: WGs activities

	Physical meetings	Online meetings	Specific WGs Outcomes
WG1	2	6	3 Task Forces created: <ul style="list-style-type: none"> • TF 1, ETIP SNET Vision; • TF 2, SET Plan TWG A4.1 IP • TF 3, SET Plan TWG A4.2 IP
WG2	2	4 + monthly leadership calls	3 Task Forces created: <ul style="list-style-type: none"> • TF1, ETIP SNET Vision and Scenarios; • TF2, SET Plan TWG A4 IP • TF3, Regional workshops
WG3	3	Monthly + weekly leadership calls	Contribution to: <ul style="list-style-type: none"> • Implementation Plan, • H2020 WP 2018-2020, • Regional Workshops, • Vision Document, • SET Plan TWG A4
WG4	3	8	3 Task Forces created: <ul style="list-style-type: none"> • TF1: Digital Technologies and reference architectures and standards, data Science and Modeling • TF2: Digital Energy Disruptive Use Cases and New Market and Business Models • TF3: Digital Cyber-Security recommendations (robust). Position papers of the 3 Task Forces started.
WG5	1	/	3 Task Forces created: <ul style="list-style-type: none"> • Innovation tool box + eco system • Monitoring and evaluation of R&I • Exploitation of R&I: Verifying the possibility to elaborate a common web-platform for documents sharing for on-line comments

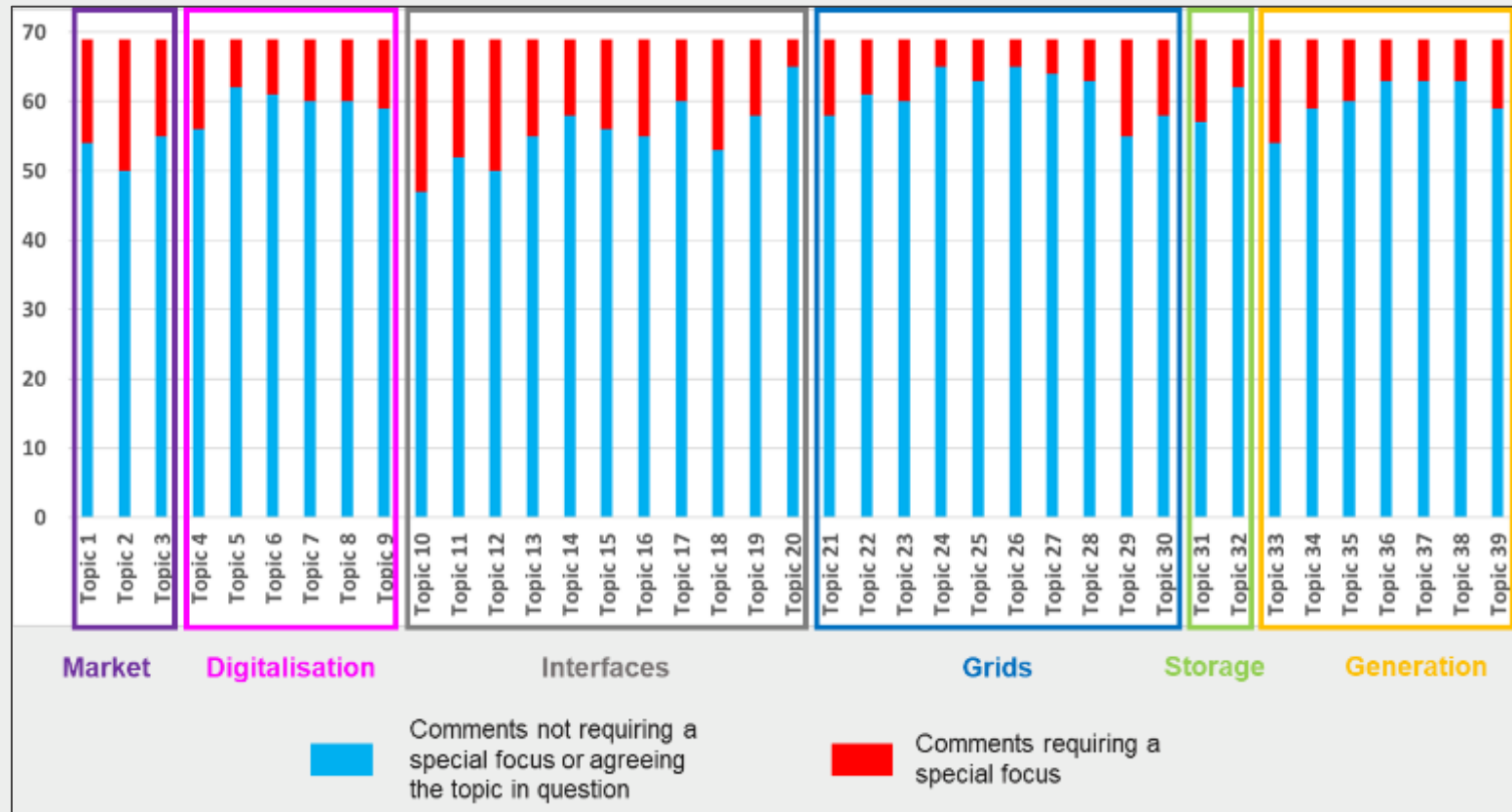
2017 Achievements: ETIP SNET Implementation Plan 2017-2020

A **new structure** reflecting the cross-cutting nature of market and digital aspects and the integration of the energy system, with **39 topics**



2017 Achievements: ETIP SNET Implementation Plan 2017-2020

A successful **public consultation** with contributions received from **69 organisations: 530 comments** addressed which resulted in some amendments in the IP



ETIP SNET Regional Workshops

- **Aachen** (18-19 September): **14** projects presented, **82** participants
- **Lisbon** (28-29 September): **17** projects presented, **130** participants
- **Cyprus** (23-24 November – co-organized with JRC): **15** projects presented, **100** participants
- **Riga** (7-8 December): **13** projects presented, **55** participants

→ Valuable recommendations formulated for future R&I activities to be specified in the next roadmap



Getting closer with National Member States



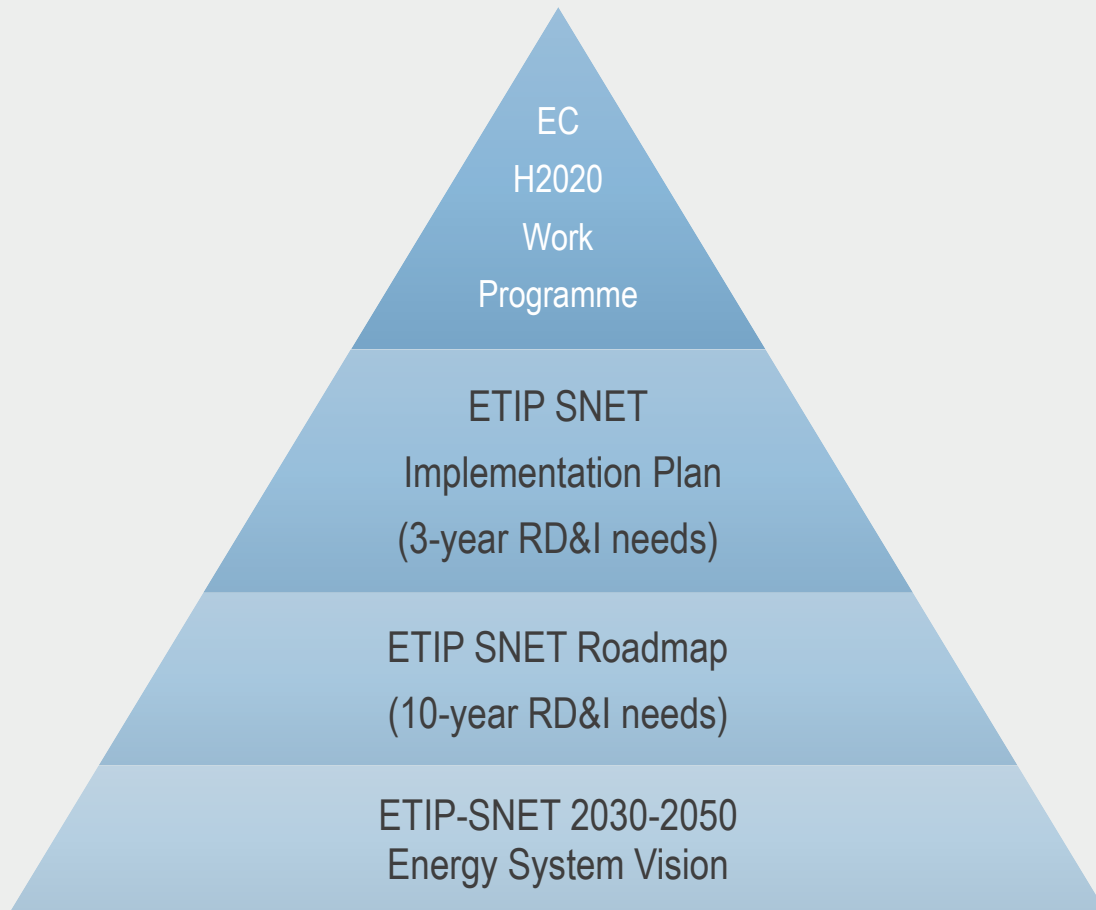
- **Launch of NSCG:**
 - ToRs definition
 - 2 meetings organised: 26 March & 4 October + online meetings
 - Softmapping national activities vs ETIP SNET IP
 - Mapping and interaction of Smart Energy Network Transition initiatives (National, EU & International)
- **Contribution to TWG A4**
 - Gathering MS smart energy systems activities
 - Participation in all calls of the TWG management
 - Set up of the Innovation fiches related to Action 4.1 (power system)
 - Consensus gathering about innovation fiches
 - Contribution to writing of the text of the SET Plan Implementation plan and its review
 - Consolidation of the IP and discussion with the SET Plan GB



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2017: Setting the steps towards ETIP SNET Vision 2030 - 2050



- May: Launch of Kernel Team
- June: Launch of Core team
- Sept-Oct: input from WGs
- 6 Dec: Rome Workshop with IEA
- 22 Dec: 1st draft v0.3 for review by WGs



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2017: International outreach

MISSION INNOVATION
Accelerating the Clean Energy Revolution



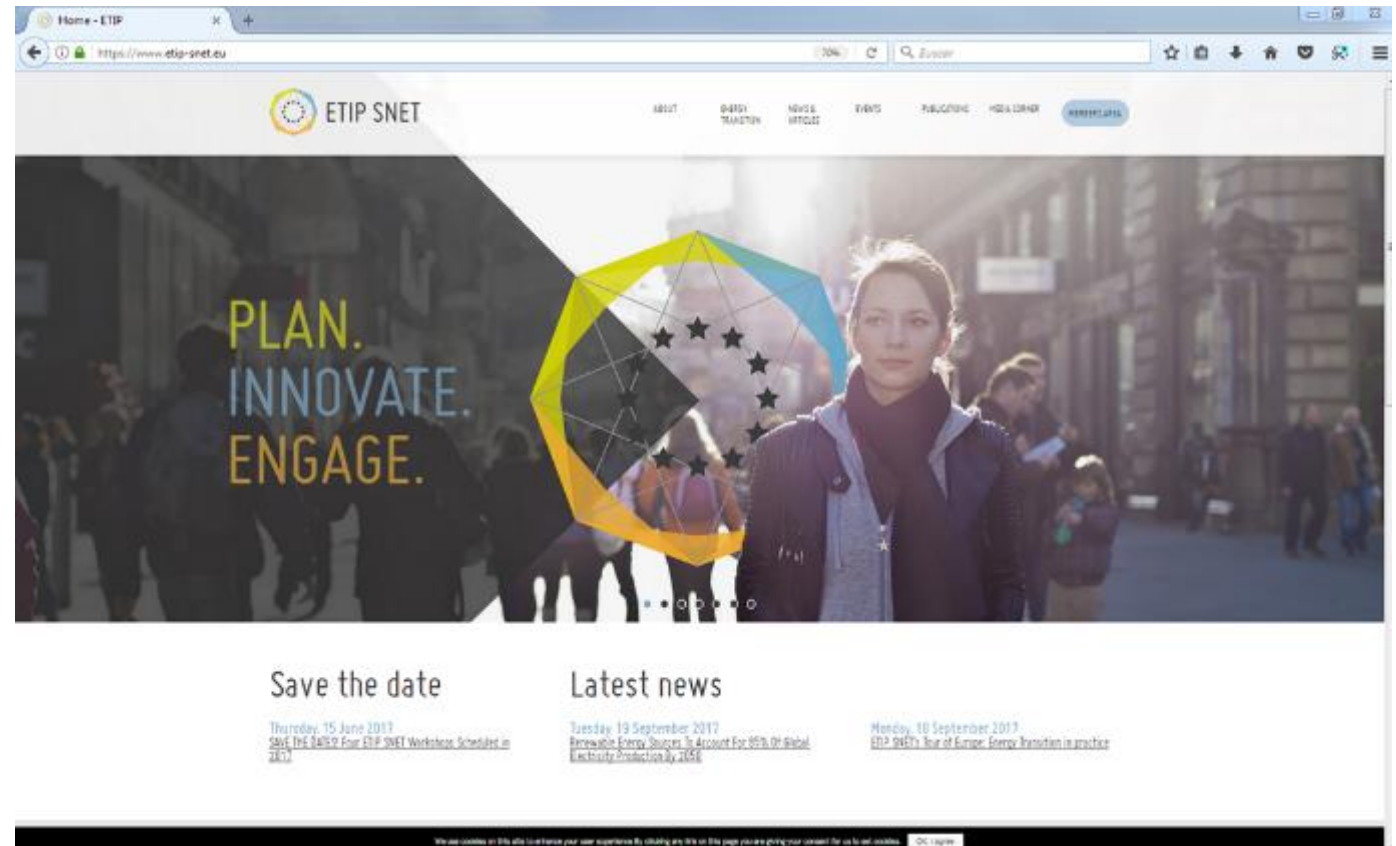
- Q1: Mission Innovation IC#1: prioritisation of activities based on ETIP SNET Roadmap
- Mar , Sept. 2017: Presentation of the ETIP SNET at the IEA End Use Working party
- 26 Sept. 2017: Interaction with IRENA
- 6 Dec. 2017, Rome Workshop:
 - Presentation of ET2017 as input to Vision
 - Presentation and discussion of open points of the vision for discussion at international level



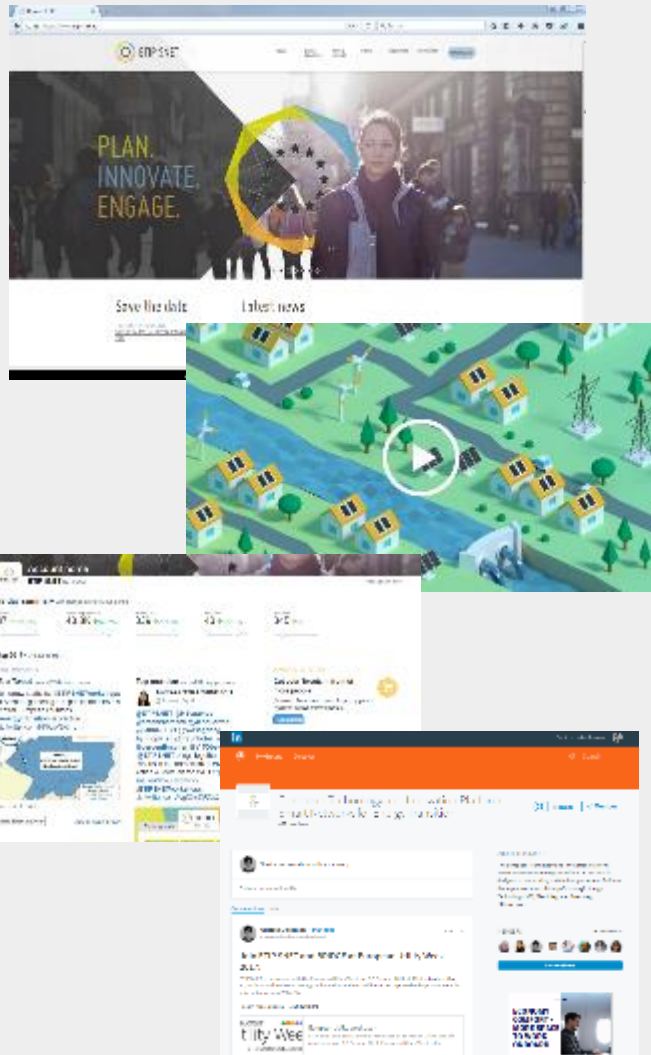
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Communication activities in 2017

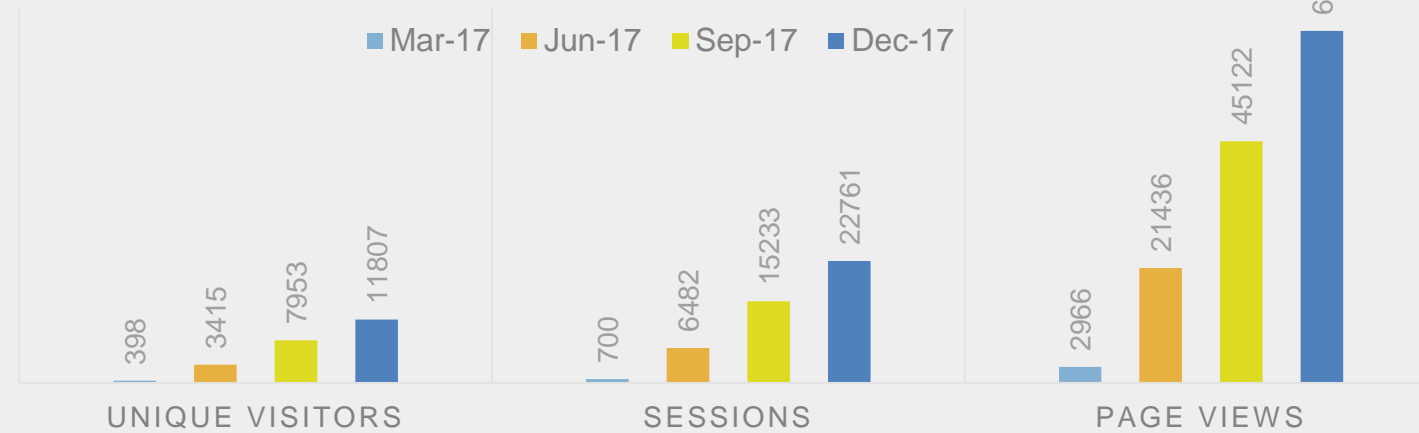
A website :
working as
unique
entry point
for all
users



A growing online presence



WWW.ETIP-SNET.EU



SOCIAL MEDIA



4 Newsletters in 2017 : over 5000 recipients

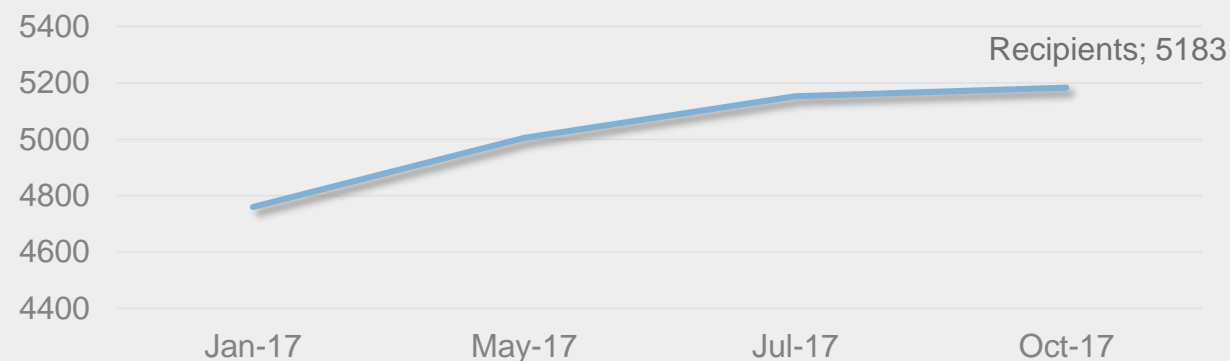


ETIP SNET Newsletter January 2017 : 4760 recipients
1,091 Opened ; 196 Clicked

ETIP SNET Newsletter May 2017: 5005 recipients
1,154 Opened ; 281 Clicked

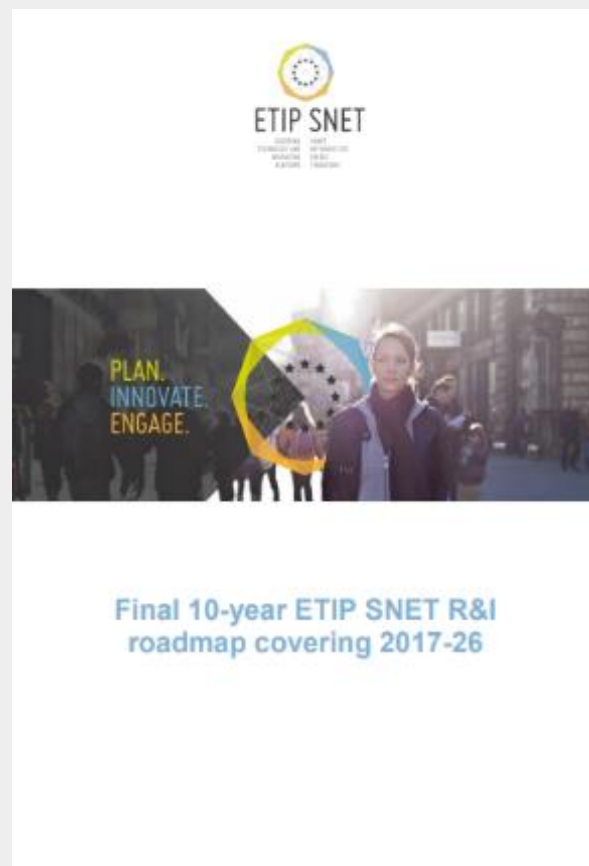
ETIP SNET Newsletter July 2017: 5,153 Recipients
1,026 Opened ; 161 Clicked

ETIP SNET Newsletter October 2017: 5,183 Recipients
980 Opened ; 139 Clicked



Several reference publications

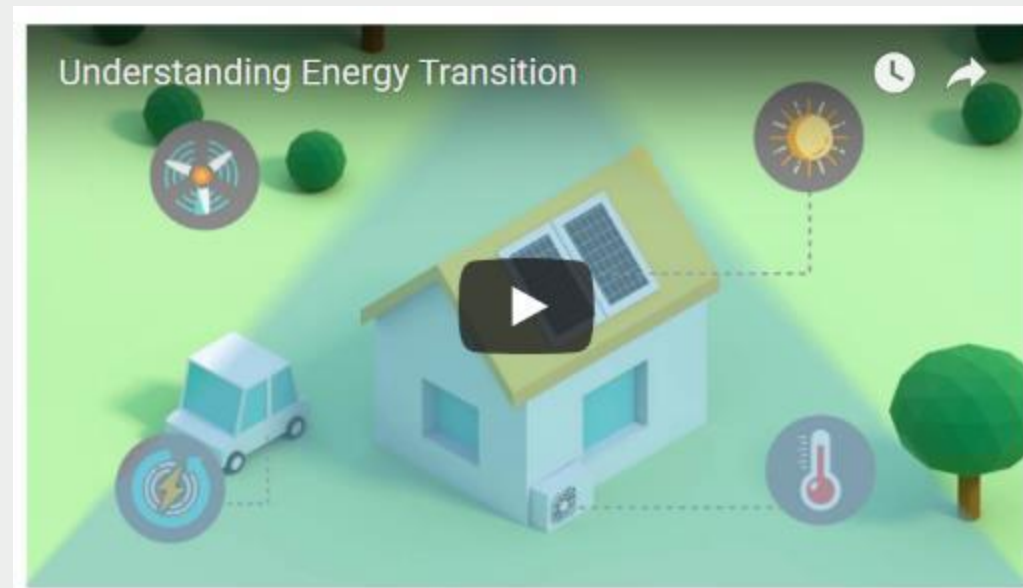
- Final 10-year ETIP SNET R&I roadmap covering 2017-26
- Implementation Plan 2017-2020
- ETIP SNET Brochure Technologies and methods for making Europe's energy transition a success



May 2017 : Introduction to ETIP SNET



June 2017 : Understanding Energy Transition



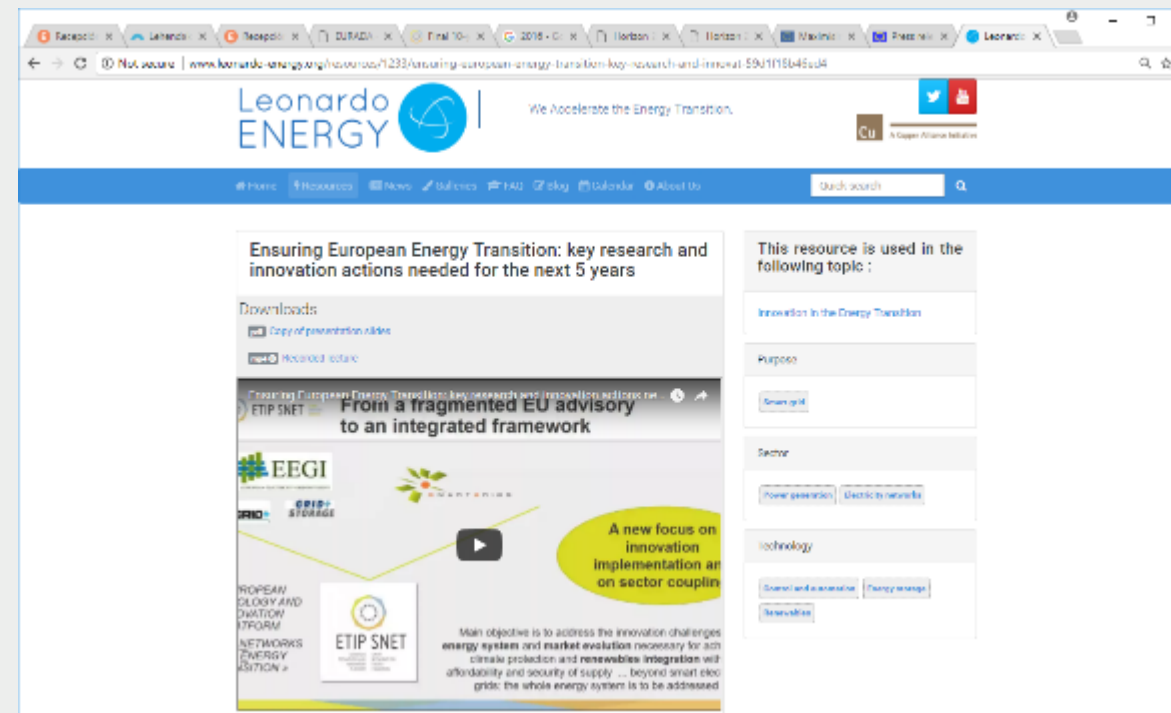
8 June 2017

- Focus on ETIP SNET 10 Year Roadmap
- 319 registrations (240 Europe)



9 October 2017

- Implementation Plan Release
- 246 registrations (183 Europe)



Press releases:

- 18/01/2017: 10 year Roadmap release
- 18/09/17: Regional workshops Kick-off
- 5/10/17: Implementation Plan release

Numerous online articles published

Printed Publication

Communicating Research Impact
Dec. 2017



Presentations at external events

- 03 March 2017 – Pole MEDEE Annual Event – Marie Latour – Lille
- 09 March 2017 – SET plan TWG Action 3.1 - Marie Latour – Brussels
- 10 March 2017 – EPRI meeting – Konstantin Staschus – Knoxville, US
- 15 March 2017 – EUTC Spring Summit – Konstantin Staschus – Brussels
- 29 March 2017 – ISGAN webinar - Eric Peirano – Online
- 04 May 2017 – EGVIA General Assembly – Konstantin Staschus – Brussels
- 08 May 2017 – Leonardo Webinar – Konstantin Staschus / Eric Peirano – Online
- 10 May 2017 – RGI BBL - Konstantin Staschus - Berlin
- 16 May 2017 – SESWA - Konstantin Staschus - Graz
- 21 June 2017 – EUSEW – Maher Chebbo - Brussels

Presentations at external events

- 27 June 2017 – Innogrid - Konstantin Staschus / Nikos Hatziargyriou – Brussels
- 05 October 2017 – EUW – Sophie Dourlens – Amsterdam
- 09 October 2017 – Leonardo Webinar – Konstantin / Sophie Dourlens - Online
- 26 October 2017 – SUSCO - Thierry Le Boucher – Budapest
- 06 December 2017 - Horizon 2030 workshop – Michele de Nigris - Rome



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Thank You !
www.etip-snet.eu

