



European Association for Storage of Energy

Patrick Clerens
Secretary General

Energy Storage Panel
EUSEW conference on Energy Research and Civil Society
Common EESC & EERA conference
Brussels, 18 June 2012



Outline

- What is EASE?
 - ❖ Members
 - ❖ Partner Organisations
 - ❖ Organisation Chart & Elected Positions
- EASE activities
- Why do we need energy storage?
- Why energy storage on EU level?
- How is storage regulated in Europe?
- Conclusions



What is EASE ?

- The European Association for Storage of Energy (EASE) is the **voice of the energy storage community**, actively promoting the use of energy storage in Europe and worldwide.
- EASE actively supports the deployment of energy storage as an indispensable instrument to **improve the flexibility of** and **deliver services to the energy system** with respect to European energy and climate policy.
- EASE seeks to build a European platform for **sharing and disseminating** energy storage–related information.
- EASE ultimately aims to **support the transition** towards a sustainable, flexible and stable energy system in Europe.



Members





Partner Organisations





Elected positions

President

Bernard DELPECH
EDF

Vice-President

François BOUCHON
SAFT

Vice-President

Jillis RAADSCHELDERS
DNV KEMA

Vice-President

Klaus Peter RÖTTGEN
E.ON

Treasurer

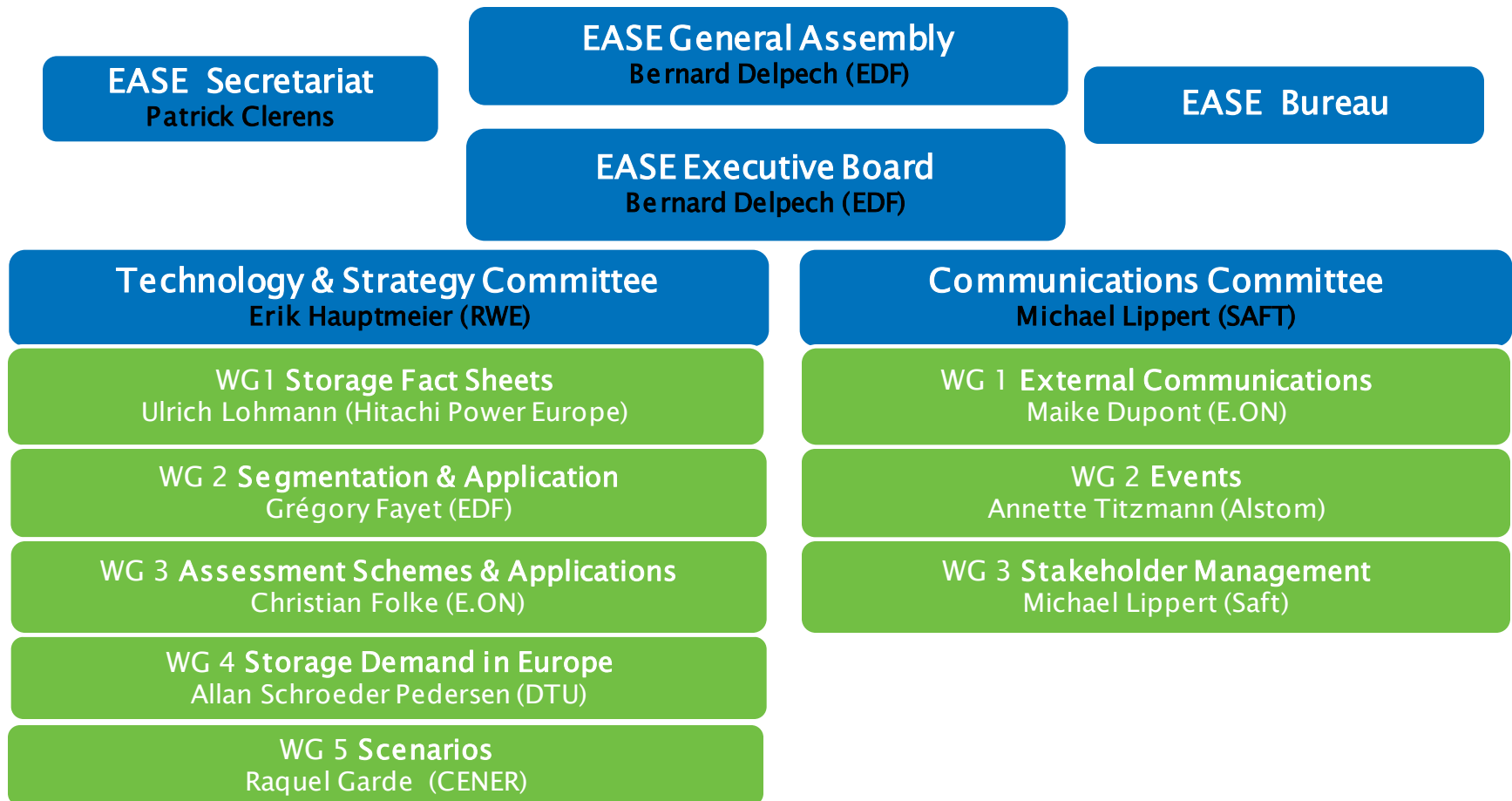
Hugh LOGUE
GAELECTRIC

Secretary General

Patrick CLERENS

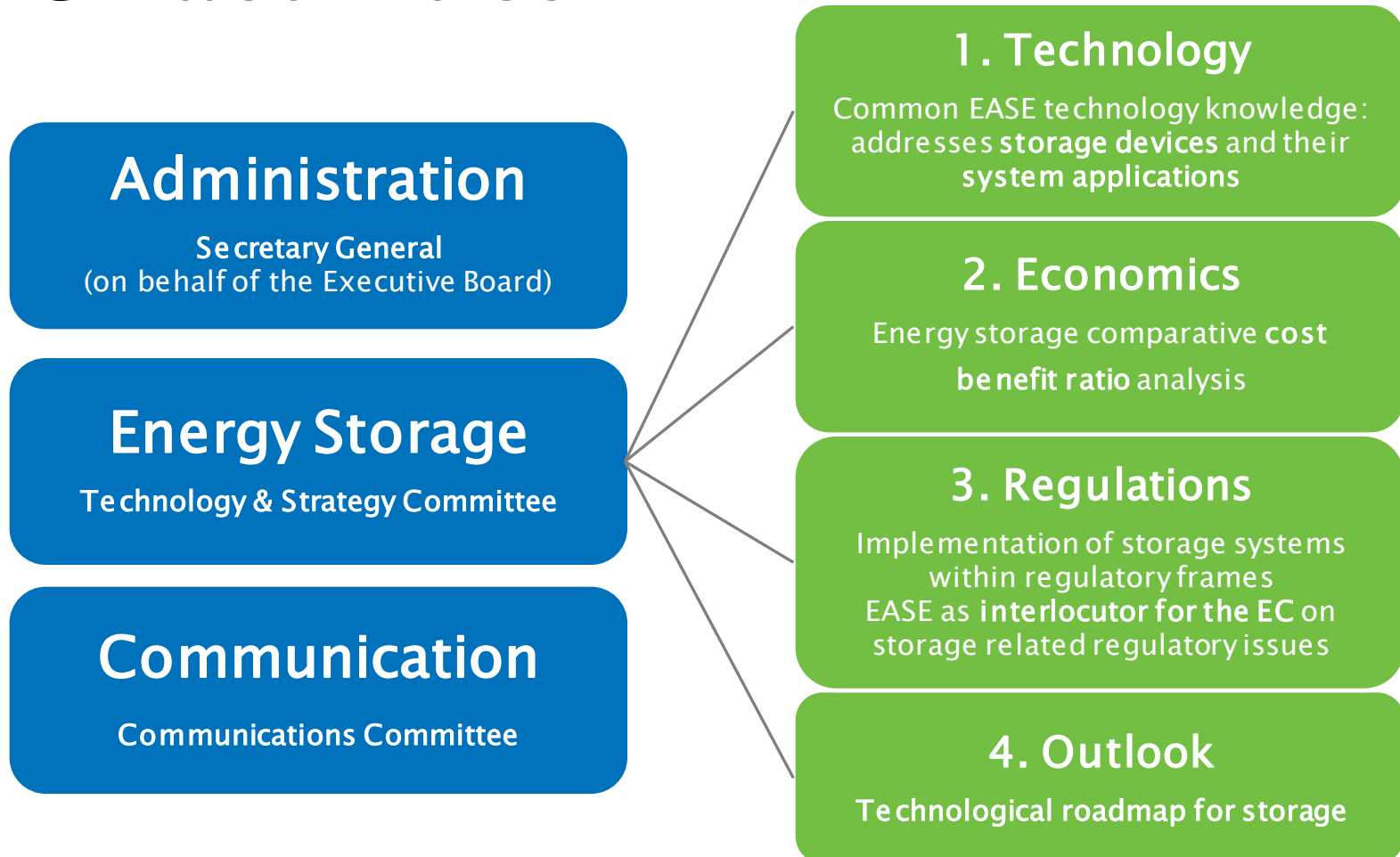


Organisation chart





EASE activities





EASE activities

Working Group 1

Storage Fact Sheets

- Draft storage fact sheets
- Poll input from nominated experts within EASE

Working Group 2

Segmentation & Application

- Segmentation of Storage
- Elaboration of Key Applications

Working Group 3

Assessment Schemes &
Assessment of Applications

- Evaluation Approach
- Evaluation of Applications
- Definition of KPIs

Working Group 4

Determination of storage demand in Europe

- Assessment schemes for storage demand

Working Group 5

Scenarios

- Definition of scenarios
- Choice of existing scenarios as EASE scenarios



Why do we need energy storage?

- **Increasing fluctuation** of the European energy generation leads to a growing need...
 - ✓ **to balance** energy supply and demand
 - ✓ to support renewable's **grid integration**
 - ✓ to support **grid stabilisation**
- ...to ensure a secure, sustainable and competitive energy system in Europe
- Grid stability threatened by political choices!



- This need can be answered by a.o.:
 - ✓ an interconnected grid
 - ✓ a flexible back-up power
 - ✓ demand side management
 - ✓ energy storage, centralised and decentralised

Studies show however that **even with a completely interconnected Europe** (European copper plate), **energy storage** will still be an added value to balance energy supply and demand.



Why energy storage on EU level?

Europe

- **Europe's surface area:** ~10,180,000 Km²
- **European countries:** ~50 States (27 EU member states)
- **TSO:** at least 1 by European country
- Every European country is free to define its own energy policy





How is storage regulated in Europe?

- E.g. Germany:
 - ENWG – exempts new build storage and refurbished PHS from network usage fees;
 - EEG – ensures that storage of RES will guarantee the FIT for RES directly fed into the grid;
 - KWKG – support integration of heat storage into CHP sites.
- E.g. Slovakia:
 - Reduced grid tariffs for pumping electricity of pumped hydro.



Conclusion

- Energy storage will greatly contribute to the success story of RES
- Adequate regulation needs to be put in place to overcome short-term problems related to storage
- EASE will be a technology neutral advocate for energy storage informing on:
 - ✓ Demo applications of emerging technologies
 - ✓ Emerging promising storage technologies
 - ✓ Regulatory and economic pitfalls
- Additionally, EASE intends to:
 - ✓ Coordinate storage from a holist point of view
 - ✓ Become the platform for storage and a hub for cooperation



What about public acceptance ?

- Should energy storage repeat the same mistakes again?





Nicht mit uns!

Keine neue Autobahn !

Demo 4.4.

14:00 Uhr ab Kirchdorf Süd
Kundgebung 15:30 Uhr Rathaus Wilhelmsburg

Planen im Dialog JETZT!

Quelle:

Nicht im Norden, nicht im Süden,

PGE





Greenpeace

Berlin, 28.03.2011





Protests against energy storage in Atdordf...





B
U
I
L
D

A
B
S
O
L
U
T
E
L
Y

N
O
T
H
I
N
G

A
N
Y
W
H
E
R
E

N
E
A
R

A
N
Y
O
N
E



Don't miss EASE's 1st Annual Event

6th November 2012

NRW Representation to the EU

EASE – European Association for Storage of Energy
Avenue Adolphe Lacomblé 59/8 | B – 1030 Brussels
Tel: +32 2 743 29 82 | Fax: +32 2 743 29 90
info@ease-storage.eu
www.ease-storage.eu

Secretary General: Patrick Clerens
p.clerens@ease-storage.eu

Policy Officer: Maria João Duarte
m.duarte@ease-storage.eu

Technical Advisor: Jean-Michel Durand
jm.durand@ease-storage.eu



Members

