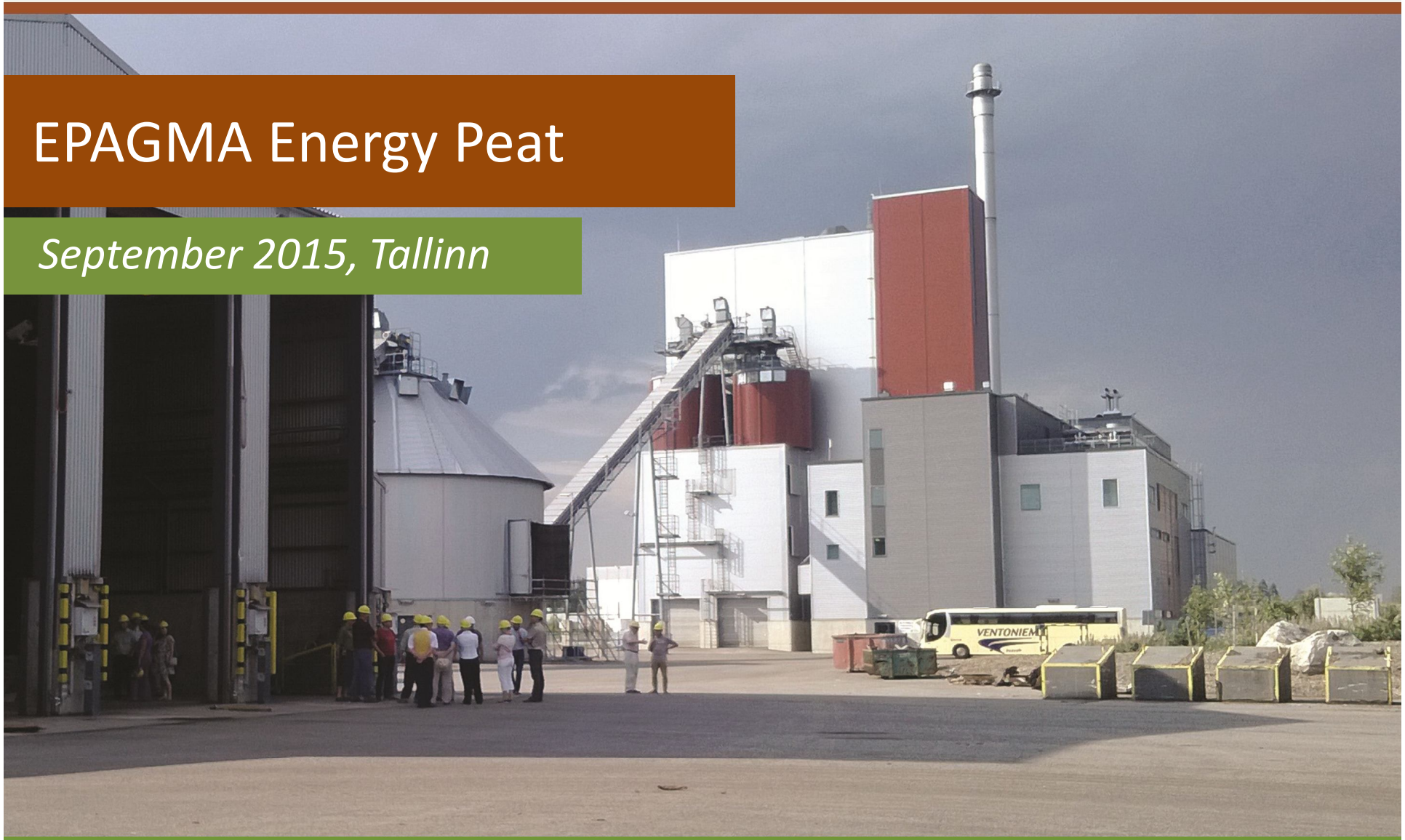
Energy from Peatland Sector Group

epagma European Peat and Growing Media Association

EPAGMA Energy Peat

September 2015, Tallinn



... achieving a more sustainable development of our business

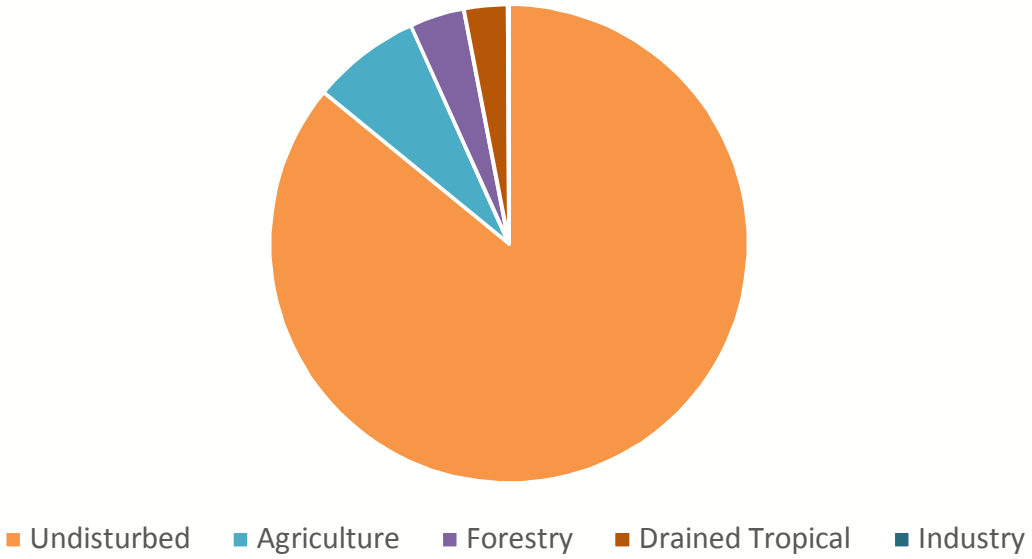
Burson·Marsteller

Overall objective

Energy-peat to be considered as an affordable, competitive, responsible and reliable local energy source providing security of supply for consumers, industries and legislators both at national and EU level.

Background

Peat industry in global peatland context [0.1% by area]



Background

- Within EU energy peat uses only 0.34% of peatlands
- Output is a mere 0.05% of EU energy consumption

However

- Contribution is significant in Finland and Ireland
  - Finland: 5%
  - Ireland: 6%

- Also important in Estonia and Lithuania and Sweden

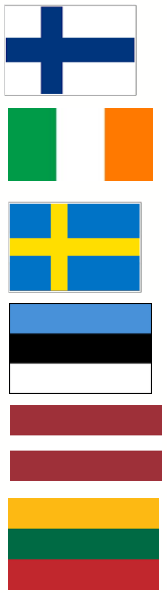
Comparative statistics

Country	Peat Area Million Ha	% Total Land Area	Industry Area % Peatlands	Energy Output TWhrs	% Energy Required (TPER)	Other Comment
Finland	9.3	33%	0.7%	23.0	5%	
Ireland	1.2	17%	7.0%	11.5	6%	
Sweden	10.0	25%	0.1%	3.3	1%	Imports
Estonia	1.0	25%	0.3%	1.0	1 – 2%	Exports
Lithuania	0.7	11%	2.2%	0.1	~ Zero	Exports
Latvia	0.7	10%	0.3%	-----	~ Zero	

Background

Energy import dependency

- EU imports > 50% of energy needs
  - Finland ~ 50%
  - Ireland ~ 90%
  - Sweden ~ 40%
  - Estonia ~ 12%
  - Latvia ~ 60%
  - Lithuania ~ 80%



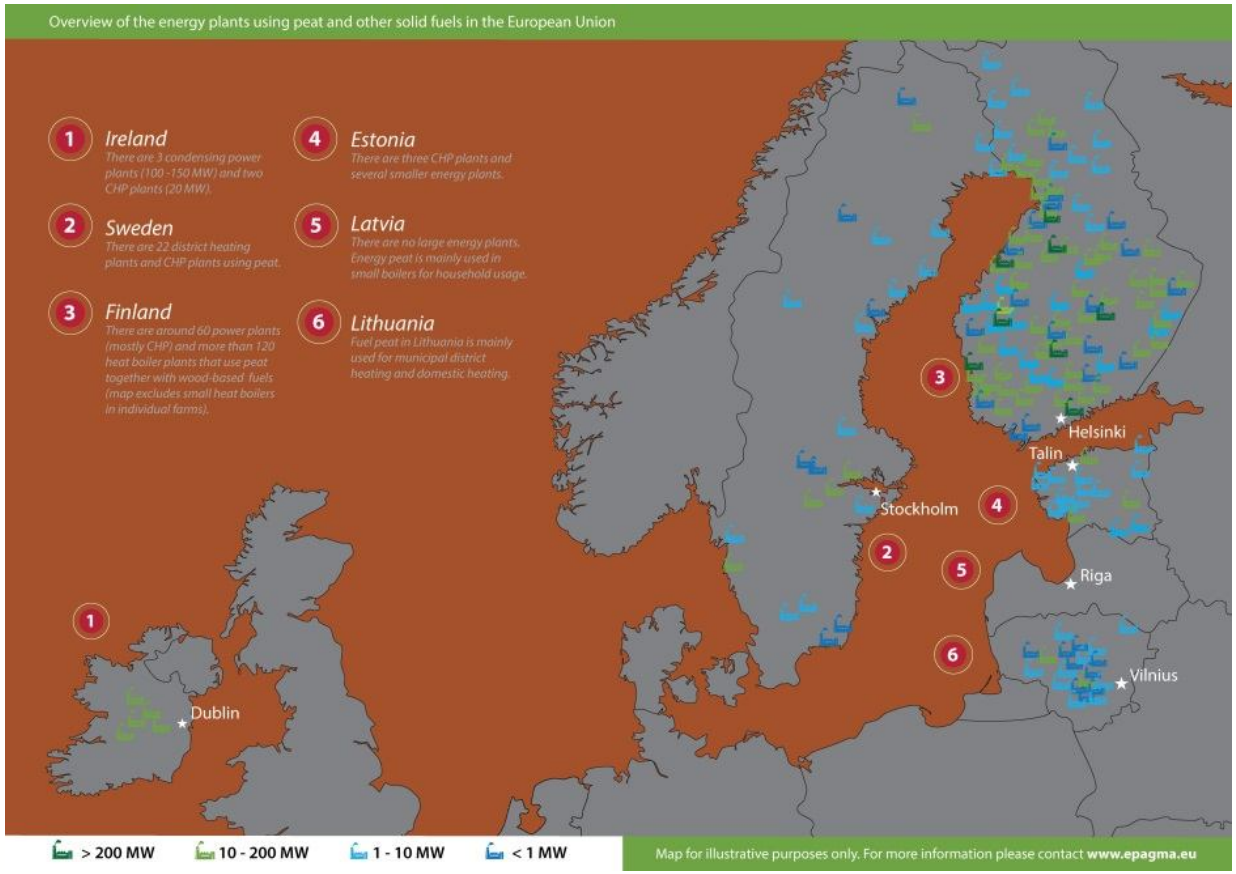
Messages

Secure, indigenous and decentralised energy source

Responsible and Transparent

Driver of Regional Growth

Decentralised, indigenous & secure



Responsibility

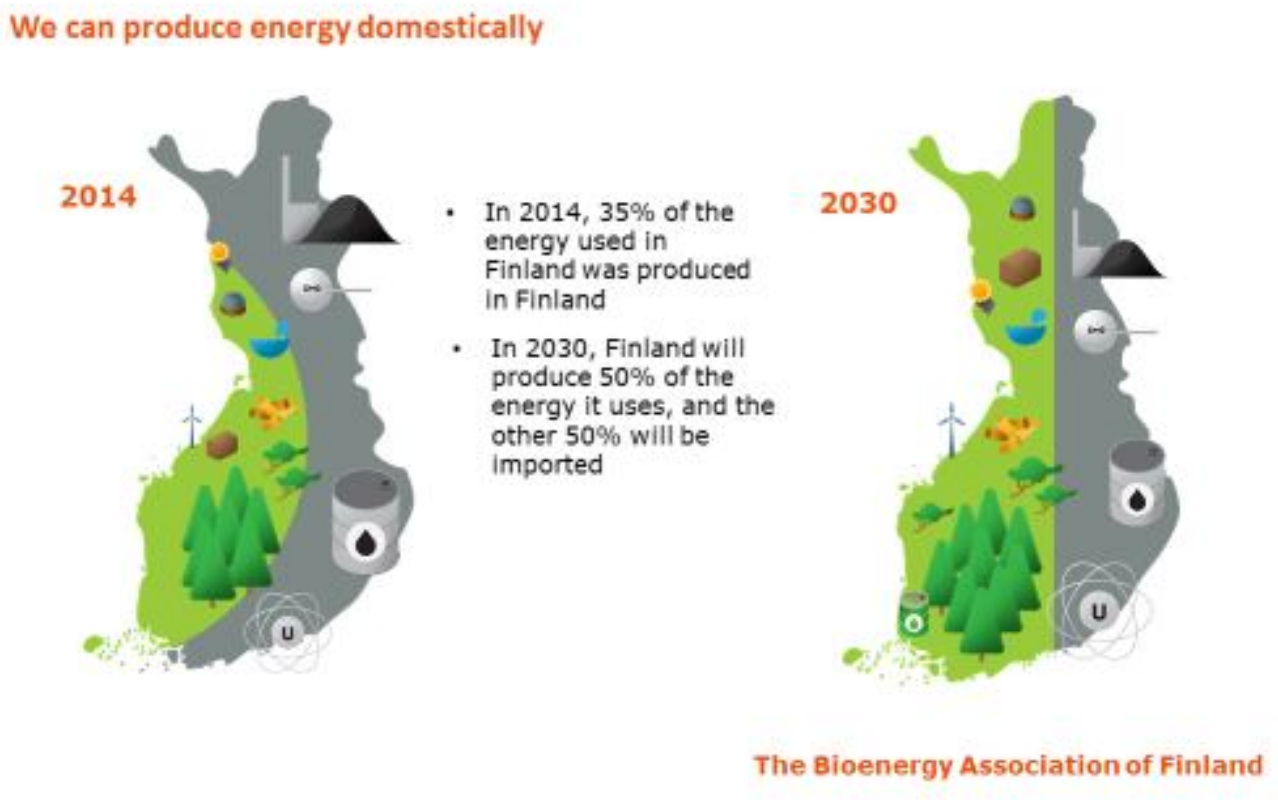
1. Industrial energy peat is fully licenced
2. Using only peatlands already drained
3. Major afteruse rehabilitation programme
4. R&D for continuous environmental improvement

Transparency

1. Provide peat extraction information on websites/newsletters/brochures
2. Display environmental data for production sites
3. Provide appropriate channels to interact with citizens, local, national and European authorities, and NGO's

Economic impact

Case Study: Finland

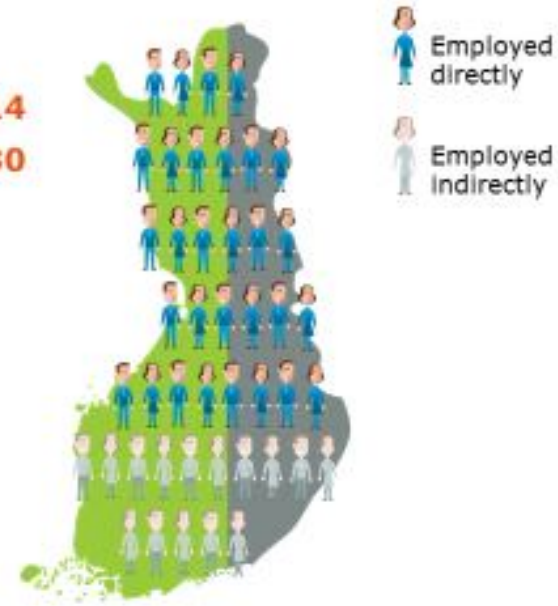


Economic impact

Case Study: Finland

We can create jobs

- At the moment, domestic fuels employ 30,000 people, either directly or indirectly
- A 50% self-sufficiency rate in energy will create 15,000 new jobs
- Wood energy and peat production create jobs also in regions where the number of jobs is currently small



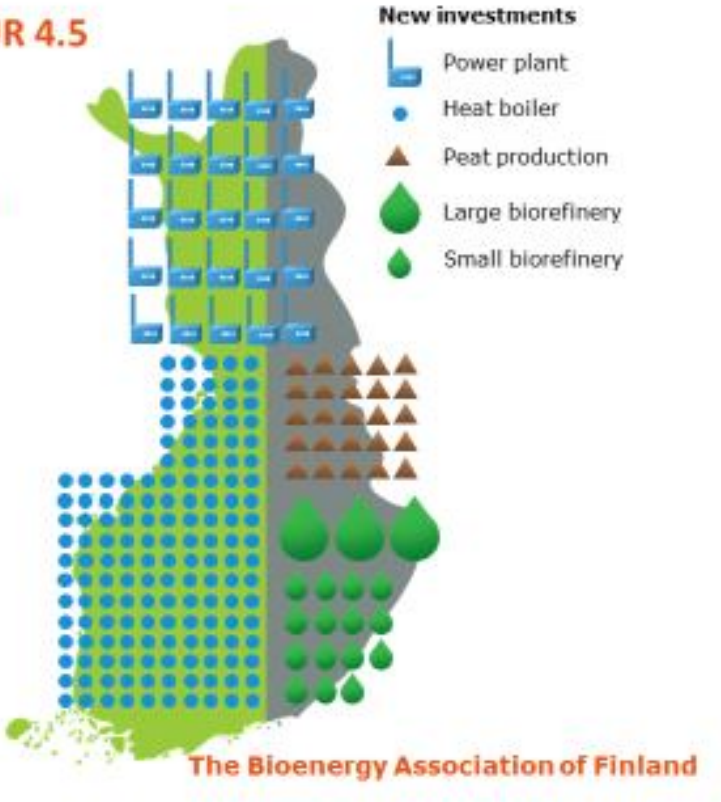
The Bioenergy Association of Finland

Economic impact

Case Study: Finland

We can make investments of EUR 4.5 billion

- The use of domestic fuel: New power plants, boilers, peat production areas, biorefineries and growing technology companies



Challenges

EU REGULATION & POLICY RISKS

- ETS Reform
- Biodiversity aspect
- Land Use (LULUCF)
- Energy Road Map 2050
- Technical Restrictions

PERCEPTION & REPUTATIONAL ISSUES

- Environmental NGO's
- Public Attitudes