

Integration of RES in Isolated Systems – the Irish Case

Garrett Blaney, Commissioner, CER

November 2013

The Challenge

2020 Renewable Electricity Targets across the EU

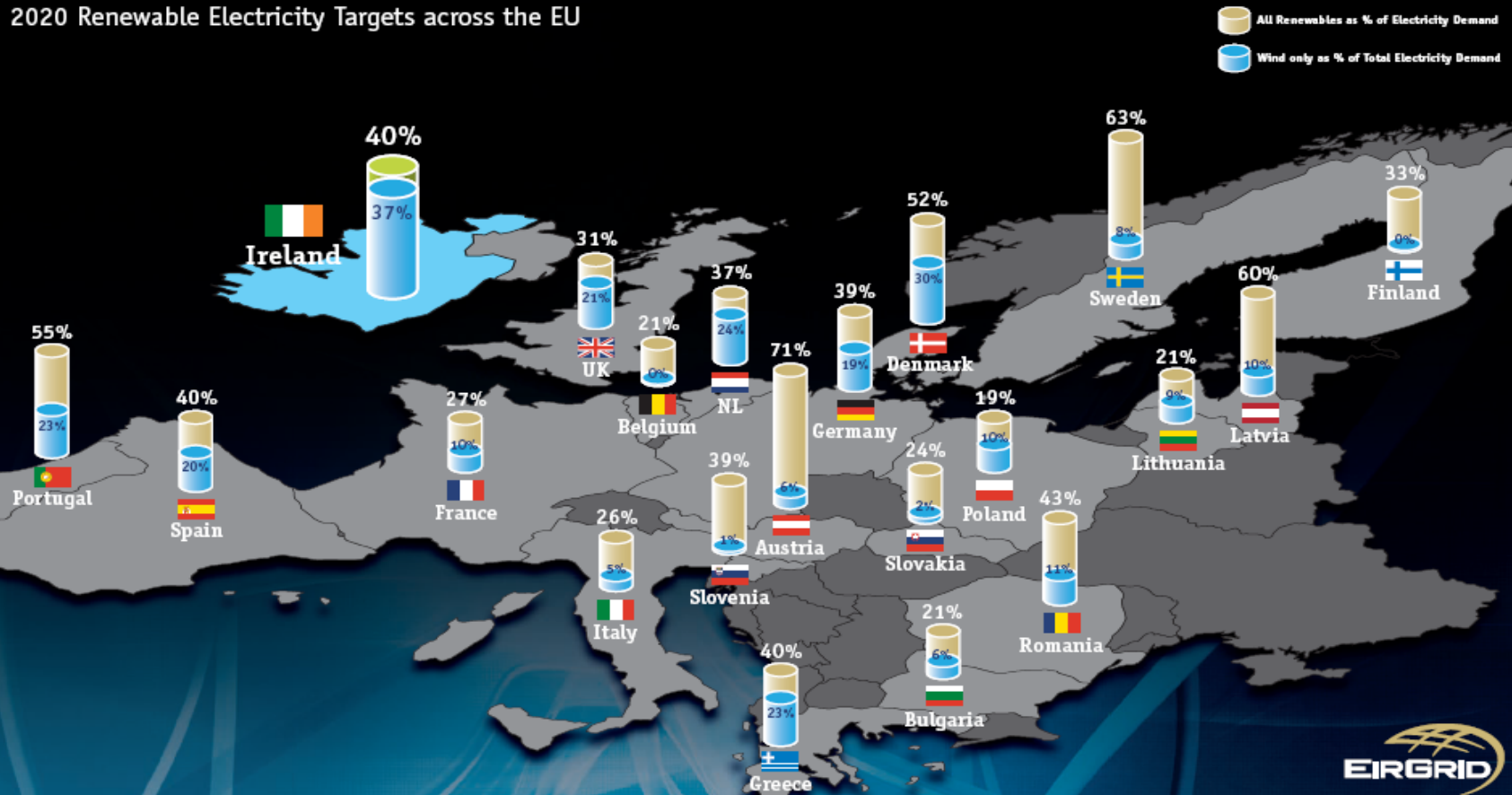


FIGURE 2: EU Wind and Renewable Percentage: 2020

Data collated from information submitted in the National Renewable Energy Action Plans by E.U. Member States to the EU Commission in June 2010

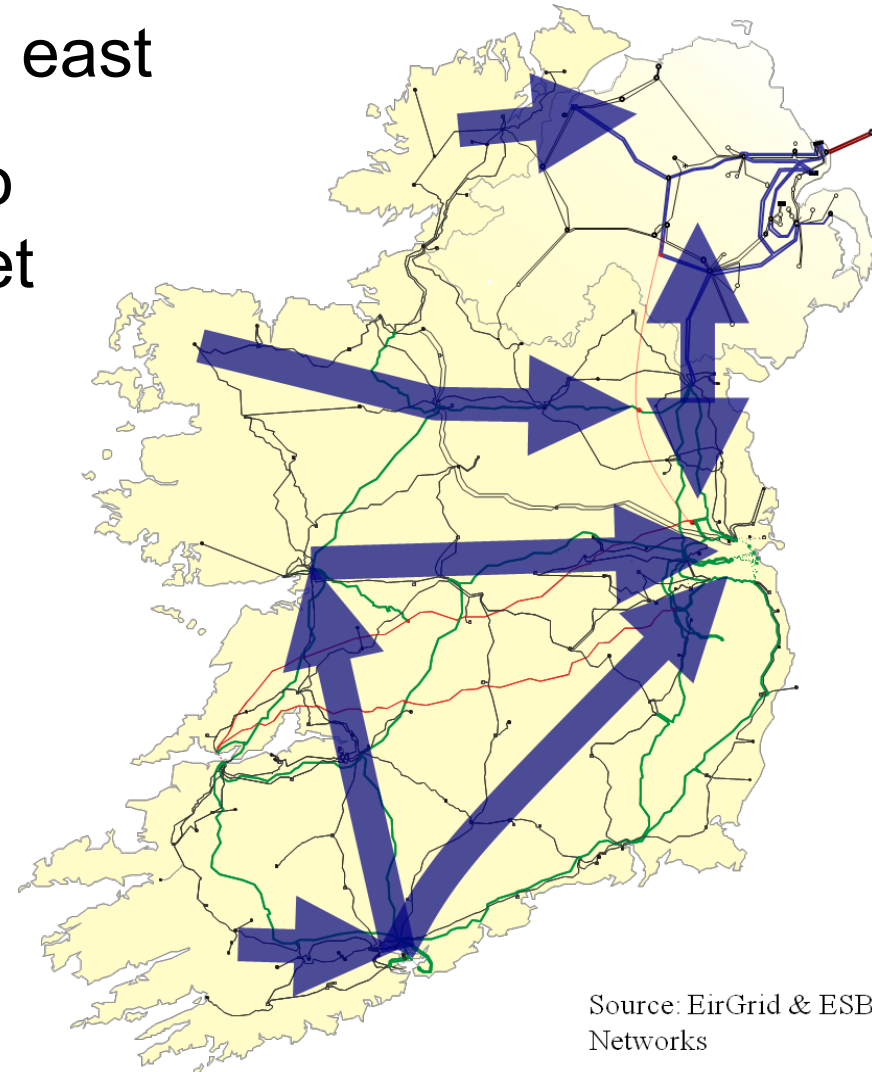


RES Integration Tasks

1. Building out networks
2. Raising wind penetration from 50% to 75% instantaneous demand
3. Increasing interconnection – the “Celtic Interconnector” to France
4. Facilitating demand side and storage participation
5. Changing the role of the Distribution System Operator

Grid Roll-out

- Much wind in west, demand in east
- Rolling out the grid is critical to meeting 2020 renewable target
- EirGrid has major Grid 25 plan
- Over €1 billion in grid investment allowed by CER from 2011 to '15
- Planning and land access are a major challenge



Source: EirGrid & ESB Networks