

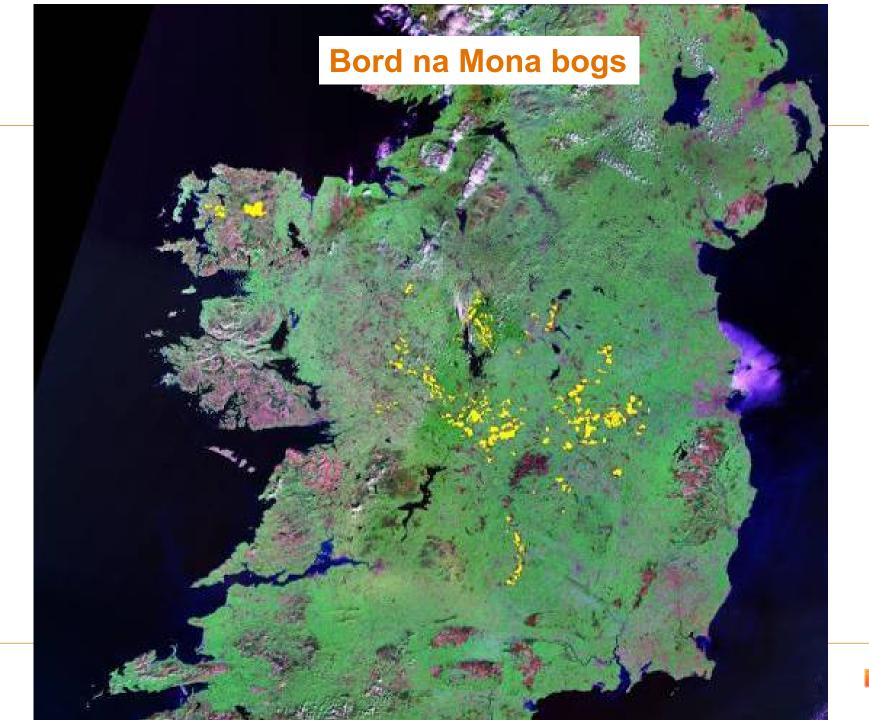
Rehabilitation of Industrial Cutaway **Peatlands David Fallon** Bord na Mona Ecology Team 03/10/2019

Rehabilitation of Industrial Cutaway Peatlands

Overview -

- Introduction to Bord na Móna
- Explanation of cutaway bog
- Rehabilitation methods
- Bog restoration

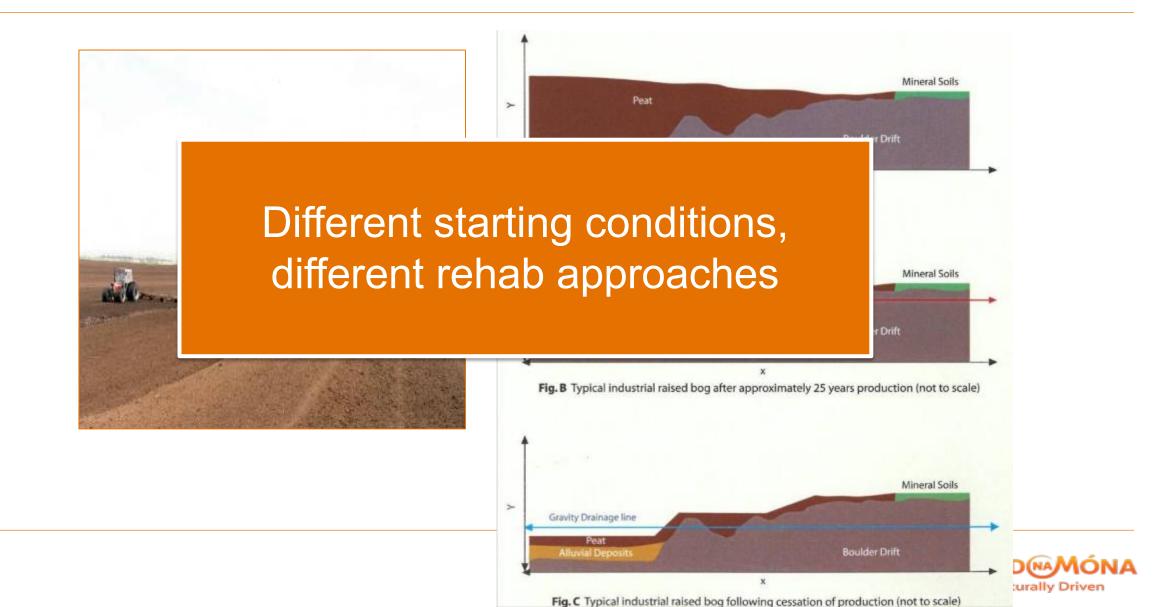


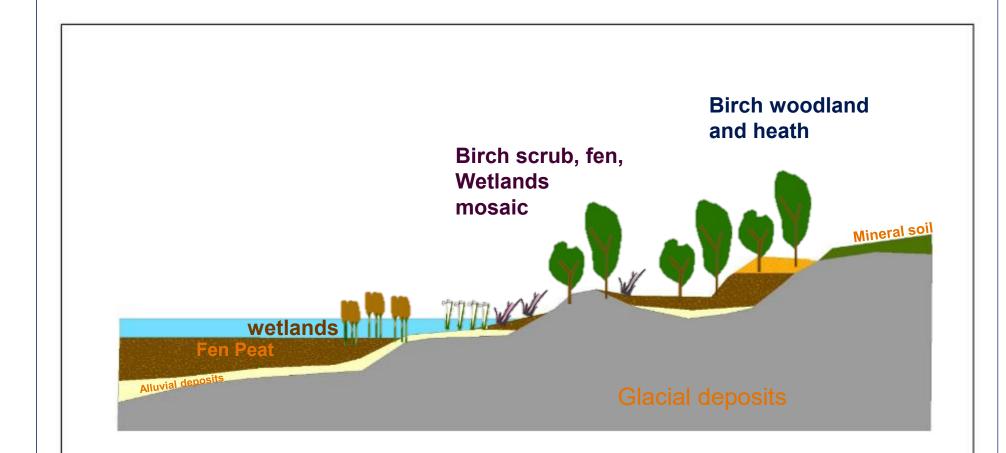






Development of Bord na Móna production bog and cutaway





Development of cutaway habitats & current environment



Rehabilitation

- EPA IPC Licences for peat production: Condition 10 ...plan for permanent rehabilitation of the cutaway boglands
- Rehabilitation plan: a programme to manage a site for its environmental stabilisation (re-vegetation and peat containment)
- Natural colonisation + targeted rehabilitation
 - = environmental stabilisation & sites with biodiversity value
- Rehabilitation provides space/opportunities for biodiversity
- After-use & future management of cutaway will also affect rehabilitation





From this..... Industrial scale: drainage, milling

"Peat must be wet"
Hans Joosten

To this.....
Industrial scale:
Rewetting





2010

Rehabilitation



Example of targeted management

Fertiliser and lime

100% vegetation cover -grasses and rushes -some birch and willow





Mount Lucas Windfarm 80 MW Infrastructure 3-4% of site area



Wet cutaway

Ecosystem services - creating sites with multiple benefits - Biodiversity, Carbon, Future PES?



Dry cutaway

Birch woodland

- Re-wet where possible
- Potential to develop native woodland cover
- Speed up development
- Enhance diversity, biodiversity value and GHG mitigation
- Increase native woodland cover in Ireland



Future PES?



Bord na Móna Bog Restoration Programme









Rehabilitation & After-use amenity, biodiversity, forestry, renewable energy, other commercial development















