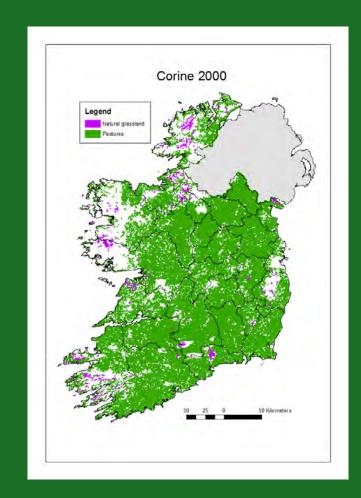




Background information on Irish grassland

- Approximately 60% of Ireland covered by grassland habitats
- Most of this is improved or semiimproved, only a small proportion semi-natural
- Semi-natural grassland = altered by human agricultural/pastoral activity but not highly modified from fertilisers or reseeding

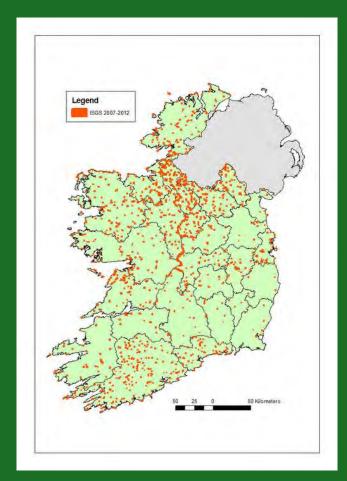




Irish Semi-natural Grasslands Survey 2007-2012 (ISGS)

WHY THE NEED FOR IT?

- No comprehensive survey of seminatural grasslands done before
- Update our knowledge of semi-natural grasslands in Ireland
- Provide data on EU Annex I grassland habitats: reporting obligations under EU Habitats Directive
- More detailed grassland classification system for Ireland



Location of ISGS sites





Irish Semi-natural Grasslands Survey: Project summary

Survey fieldwork took place between May 2007 and September 2012

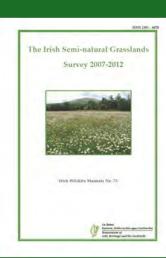
Funded by the National Parks and Wildlife Service (Dept. Arts, Heritage & the Gaeltacht)

- All 26 counties surveyed
 Greatest survey effort in counties with lowest agricultural intensity
- 23,188 ha surveyed across 1,192 sites
 Majority of sites lowland grassland
 Dataset does not include dune or machair grasslands
- Data entered into a Turboveg 2.0 database, sent to NBDC



Irish Semi-natural Grasslands Survey: Main project outputs

- Large botanical database: 4,544 grassland relevés
- GIS dataset with all sites digitally mapped to:
 - Heritage Council habitat classification scheme (Fossitt 2000)
 - EU Annex I habitats
- Data on Annex I grassland habitats (high conservation value)
- A proposed new grassland classification system for Ireland
- 5 Annual reports plus a summary national report

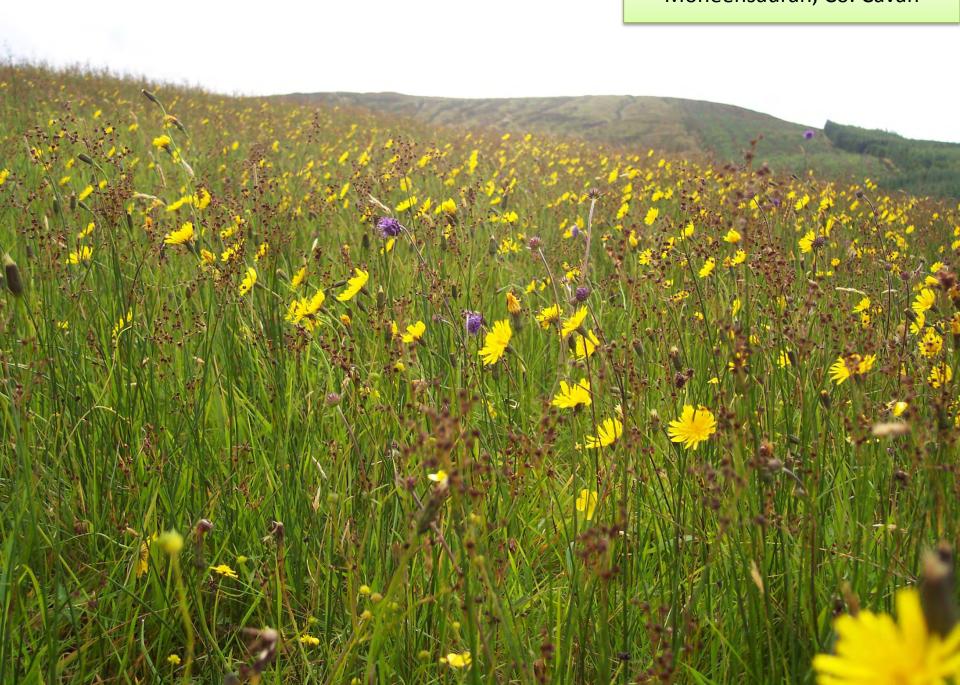




The Irish Semi-natural Grasslands Survey:

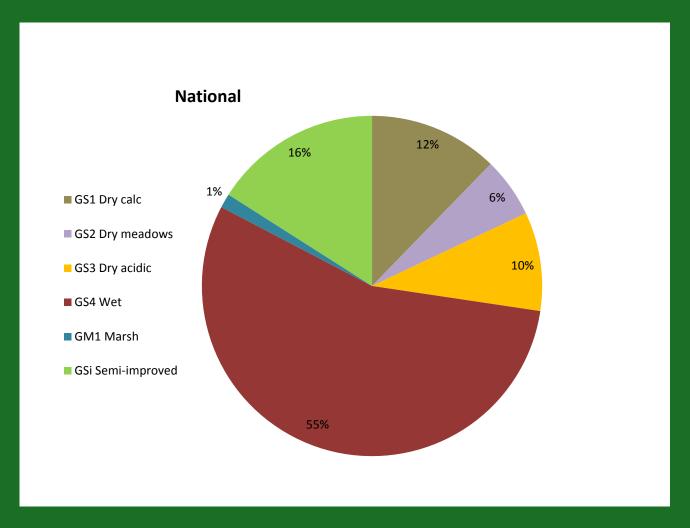
What have we learned?







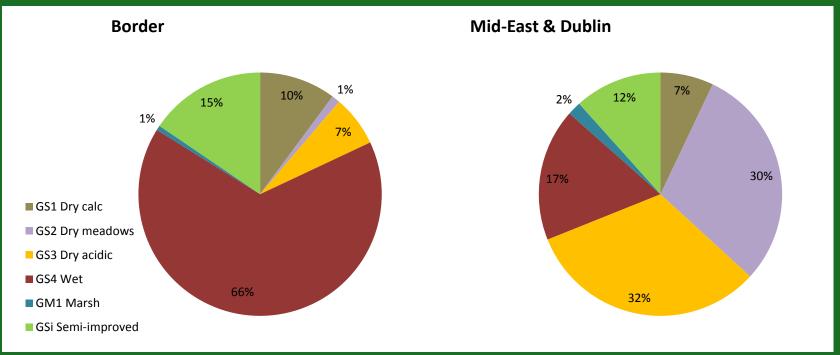
Average national proportion of grassland types





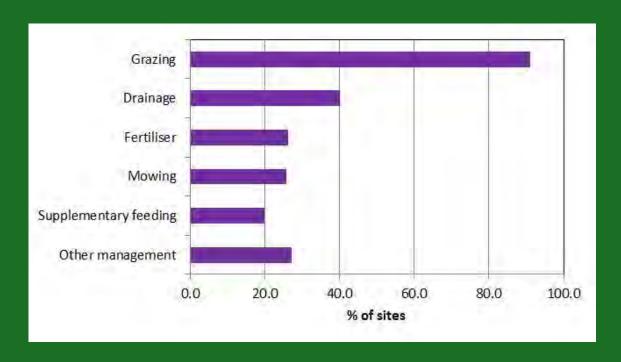
But there is wide regional variation...







Main management activities on Irish grasslands



91% of sites grazed

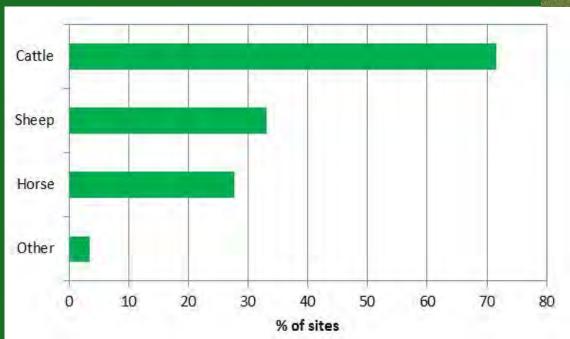






Main grazers of Irish grasslands



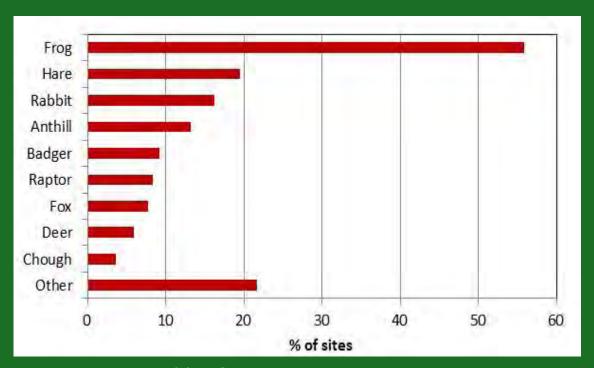


72% of all sites grazed by cattle





Main wild fauna recorded in Irish grasslands



Frogs recorded in 56% of grassland sites



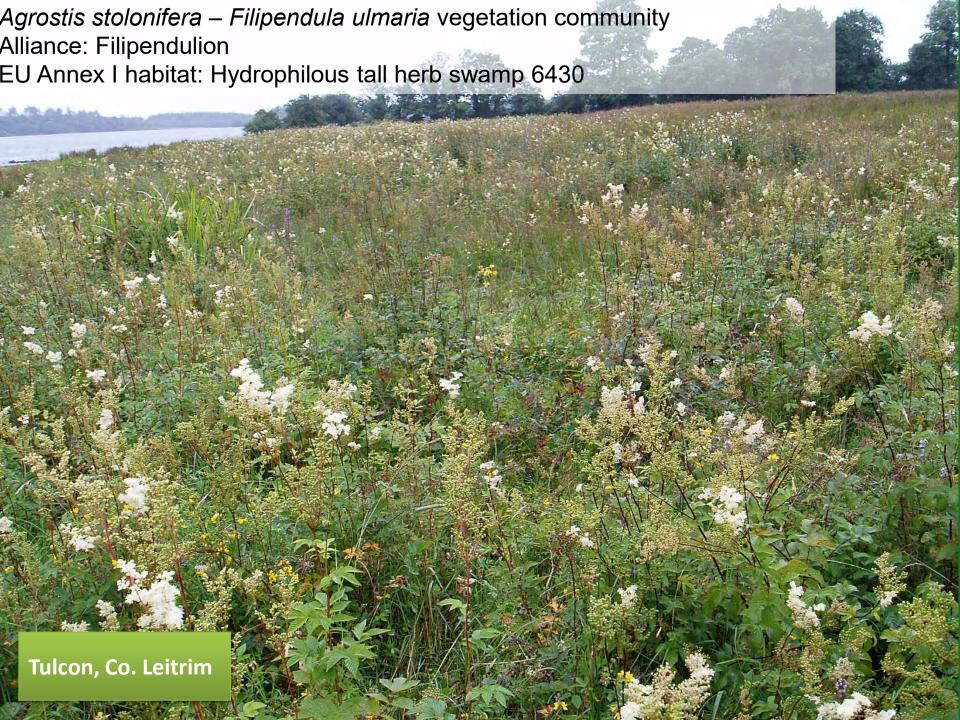
Occurrence of semi-natural grassland in protected areas

- 26% of sites wholly or partly in a (p)NHA
- 20% of sites occur in an SAC
- 45% of sites occur in one or the other, or both
- 5% of the area surveyed during ISGS was Annex I habitat
 - [*]6210 Calcareous grassland [including orchid-rich variant]
 - *6230 Species-rich Nardus grassland of upland areas
 - 6410 *Molinia* meadows
 - 6430 Hydrophilous tall herb swamp
 - 6510 Lowland hay meadows
- More *6230 is likely to be found as upland areas not yet fully surveyed













New classification system for Irish grasslands proposed

- Four main grassland groups
 - Two wet, two dry
- 19 different vegetation communities
 - 9 wet
 - 3 humid
 - 6 dry
- Allows more detailed and informative mapping to be carried out



Irish Semi-natural Grasslands Survey: Who are the beneficiaries?

- Grassland managers (e.g. farmers, landowners)
- National Parks & Wildlife Service staff: concerned with EU Annex I habitats
- Ecological professionals (mapping/describing grassland habitats)
- Anyone with an interest in conserving part of our natural heritage

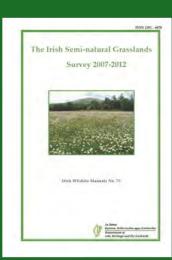


Report

- Full report downloadable from <u>www.npws.ie</u> or <u>www.botanicalenvironmental.com</u>
- All previous ISGS reports downloadable from www.botanicalenvironmental.com

Key for grassland classification

 Email me: foneill@botanicalenvironmental.com





An Roinn Ealaíon, Oidhreachta agus Gaeltachta Department of Arts, Heritage and the Gaeltacht

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