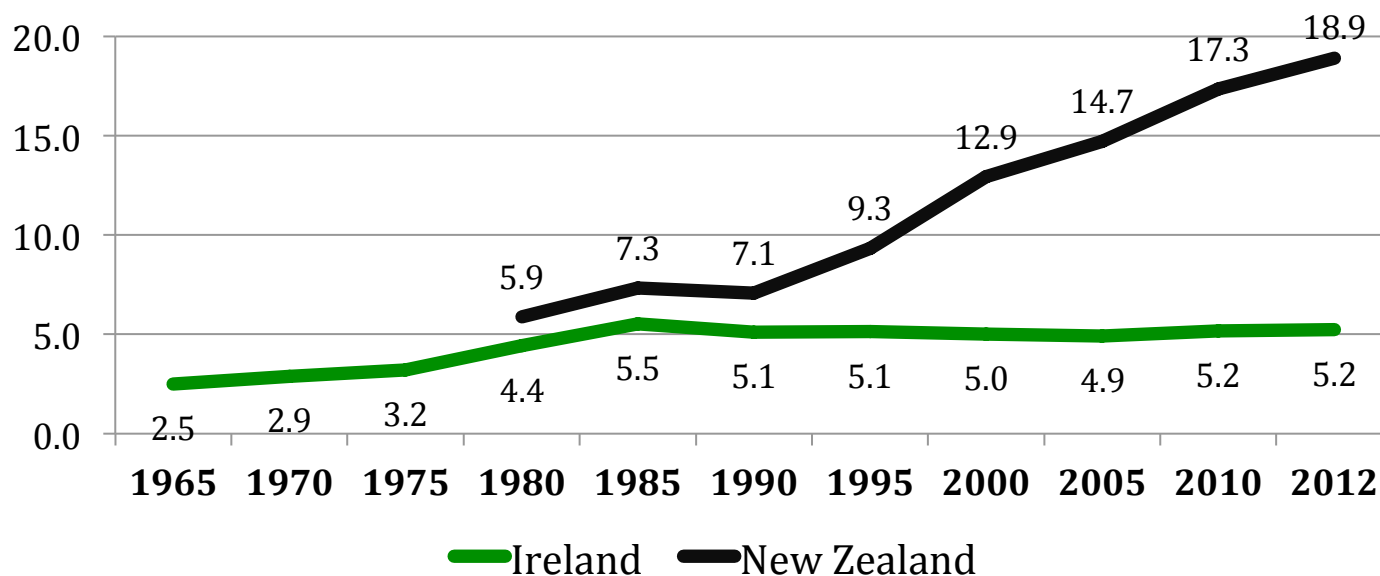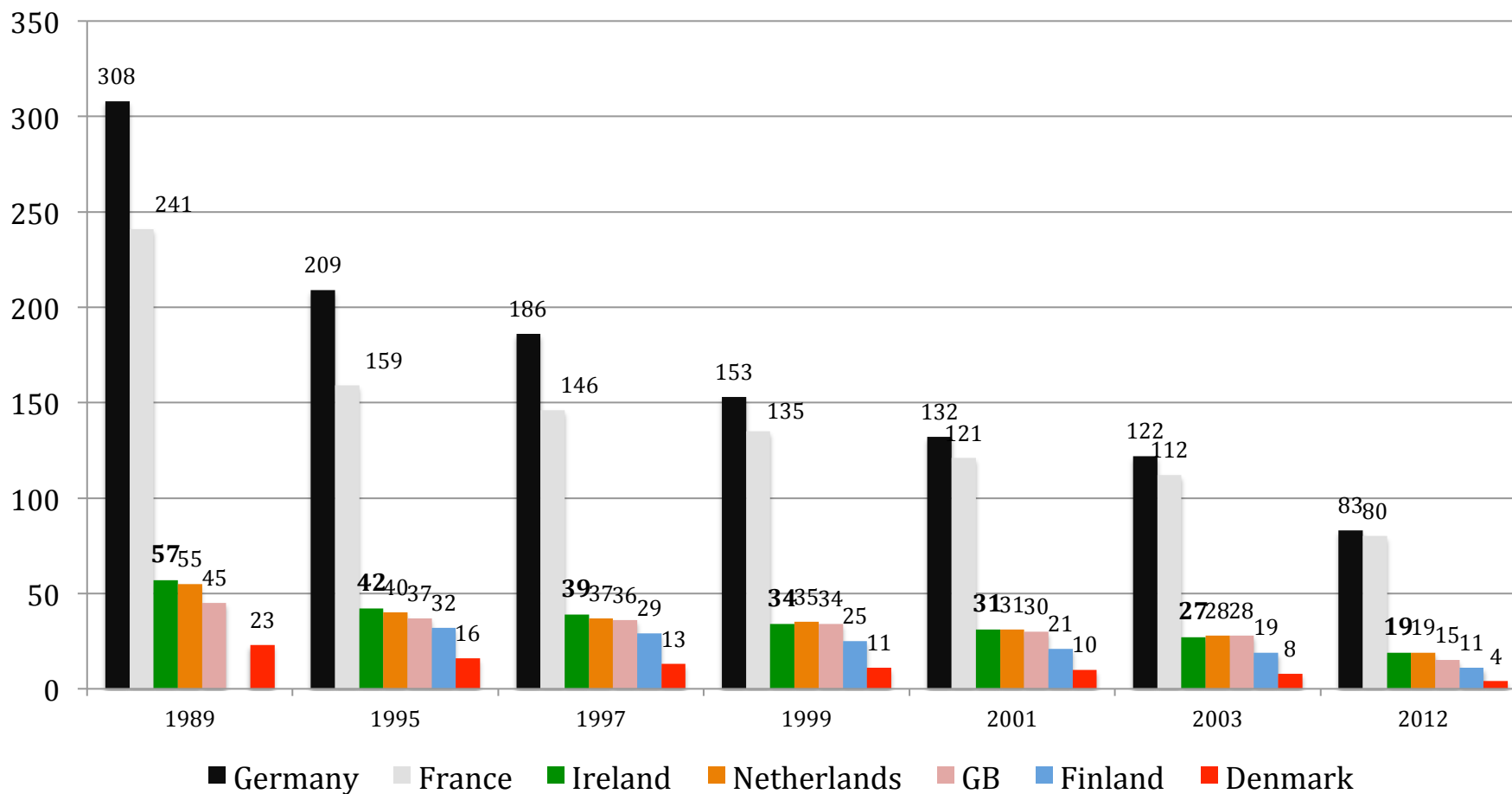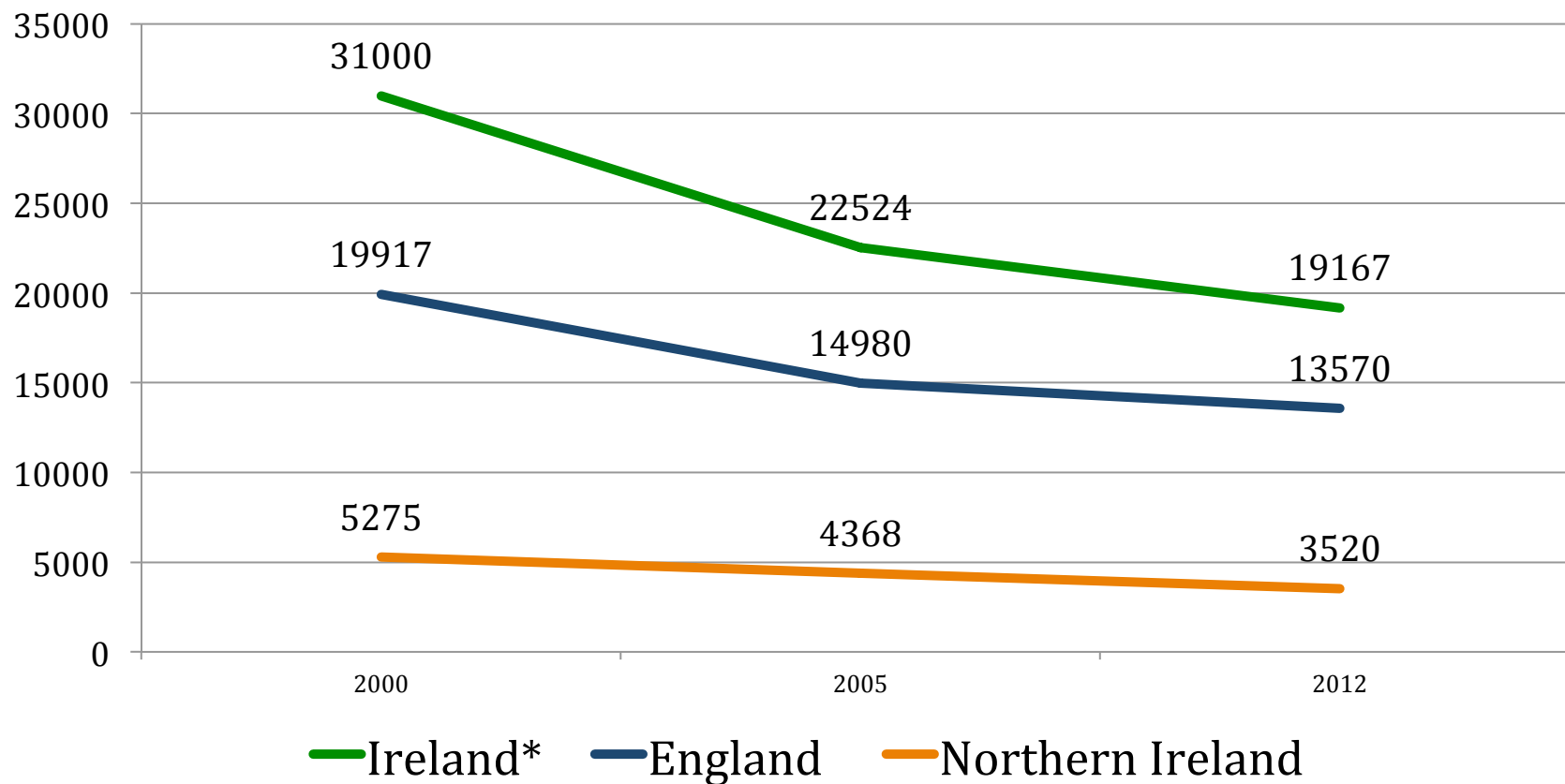## 1. Republic of Ireland & New Zealand Historical Milk Production (processing) – Billion Litres

## 2. Number of Dairy Herds, Selected European Countries, '000 Herds

## 3. Number of Dairy Herds: England, Ireland & Northern Ireland



* Ireland – 2000 figure based on available approximate figure

## 4. Is your farm competitive?

Teagasc calculate there will be about 16,500 dairy farmers in Ireland by 2018. They also predict that average dairy herd size will increase from 61 cows (2010) to 85 cows. The following performance goals are targeted by 2020

**Technical performance indicators for manufacturing milk-producing herds.**

| | Sectoral average | | Current research performance |
|---|---|---|---|
| | Current[1] | 2020 | |
| Milk delivered (kg/cow) | 4,902 | 5,420 | 5,600 |
| Milk solids (kg fat plus protein/cow) | 358 | 407 | 468 |
| Protein % | 3.36 | 3.43 | 3.65 |
| Fat % | 3.94 | 4.08 | 4.70 |
| Calving interval (days) | 397 | 373 | 365 |
| Mean calving date | March 14 | March 5 | February 14 |
| EBI of dairy females born (€) | 119 | 150 | |
| % dairy heifers from dairy AI[3] | 77 | 90 | 95 |
| Replacement rate % | 25 | 22 | 18 |
| Six-week calving rate (%) | 55 | 70 | 90 |
| Cows/labour unit | 50 | 75 | 100 |
| Stocking rate (LU/ha)[5] | 1.87 | 2.20 | 2.80[2] |
| Herbage utilised (tonnes DM/ha)[5] | 7.3 | 10.0 | 13.2 |
| SCC | 252 | 200 | <200 |
| GHG (kg $CO_2$e/kg MS) | 15.02 | 12.93 | 11.04 |
| Nitrogen efficiency (%) | 25.9 | 27.4 | 33.7 |
| Concentrate per cow (kg) | 875 | 750 | 400 |
| Nitrogen (kg/ha) | 148 | 202 | 250 |
| Net margin at 28c/l milk price (€/kgMS)[4] | -0.04 | 1.03 | 1.76 |
| Net margin at 28c/l milk price (€/hectare)[4] | -25 | 909 | 2,320 |

1 Sources: Teagasc National Farm Survey (2011), CSO (2012) and ICBF (2012).
2 A target of 2.80LU/ha is just within the current Nitrates Derogation stocking rate limit.
3 Of those with known sires.
4 Full labour costs included.
5 Will be influenced by soil type and location.

Source: http://www.teagasc.ie/publications/2013/2890/DairyRoadMap2020.pdf