



# New Technologies and How to Access

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**EADGENE – SABRE Industry Days  
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Title

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## The environment: challenges to meet for 2020

- World population 7.5 bn
- Changing climate and agro-conditions
- Demands from W>E and N>S
- Limited resources
- Ecological footprint low
- Societal demands (welfare)
- Healthy animals for healthy people
- Key word: **sustainability**

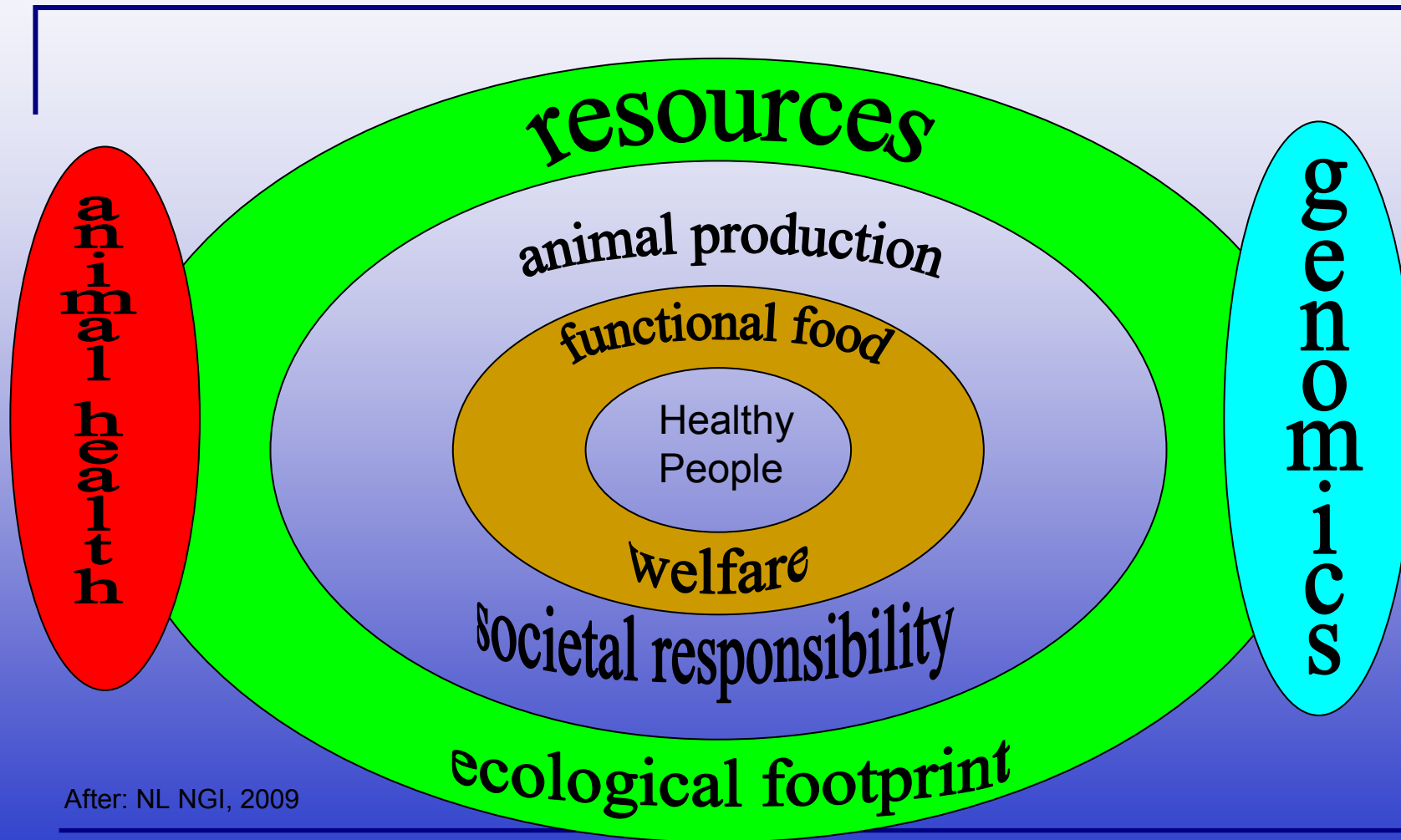
After: NL NGI, 2009

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Sustainable future: man as part *not* on top



After: NL NGI, 2009

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## New and improved technologies for breeding (1)

- Genomics (genotype-phenotype relationships)
  - Single genes
  - Multiplex genotyping
  - Whole genome genotyping
  - Whole genome sequencing
  
- Quantitative genetics technologies
  - Phenotype based BVE methods
  - Mixed methods
  - Inbreeding management and mating schemes

## New and improved technologies for breeding (2)

- Phenotyping technologies
  - For traditional and new traits e.g.
    - behaviour,
    - carcass composition,
    - quality traits,
    - disease traits
  
- Data collection and data handling
  - ICT tools
    - “traditional”
    - Sensor technology



## Company access to technology: how to facilitate

- Be willing
  - Innovative
  - Inquisitive
  
- Be receptive
  - Be a “scientist” yourself, understand academia
  - Be an expert yourself
  
- Create opportunities
  - For networking; conferences, visits, .....
  - PPP: public-private partnerships (national, EU, cross-Atlantic)
  
- Can afford
  - Scale of company
  - Use industry partnerships (EFFAB)

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