

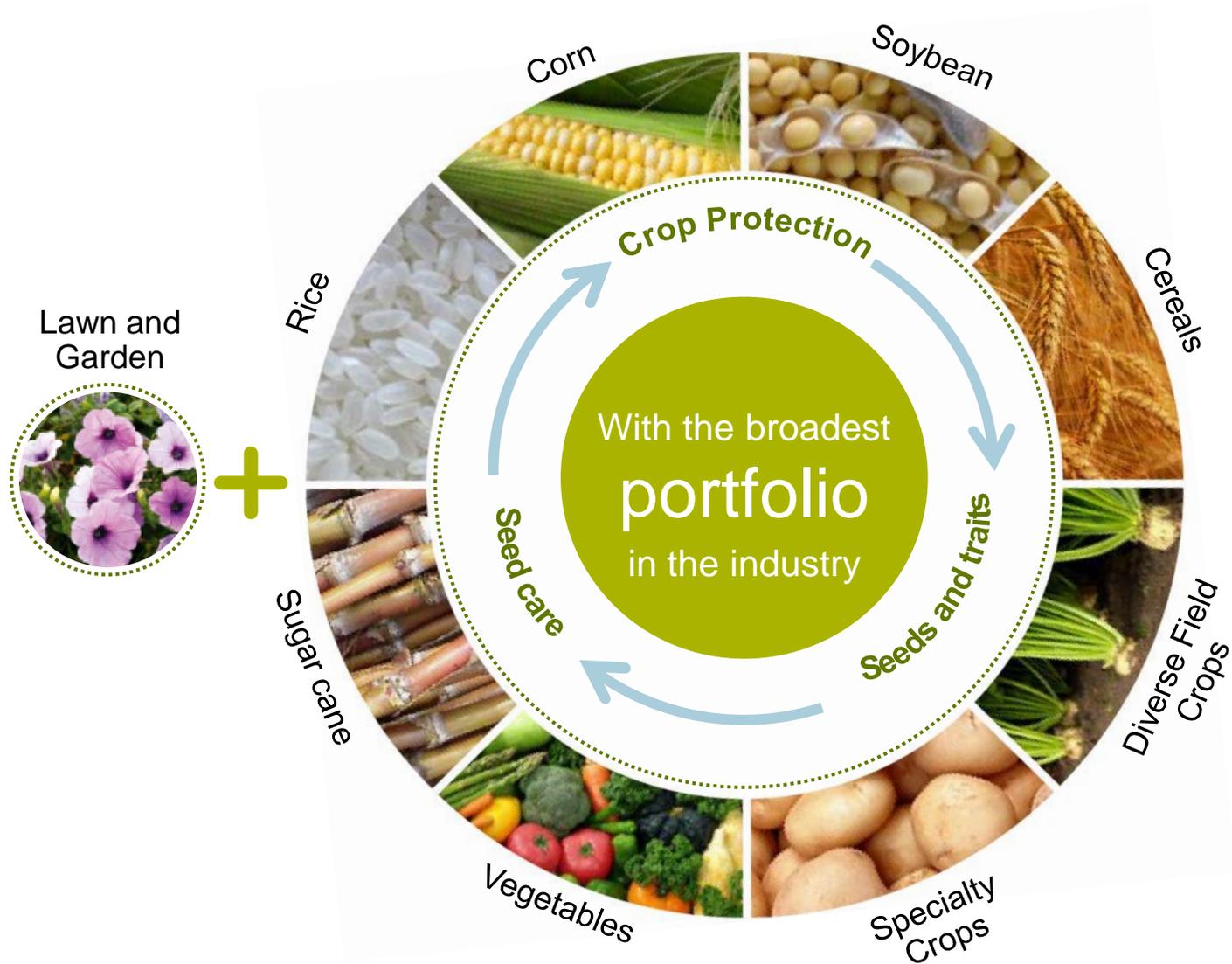


Bringing Plant Potential to Life

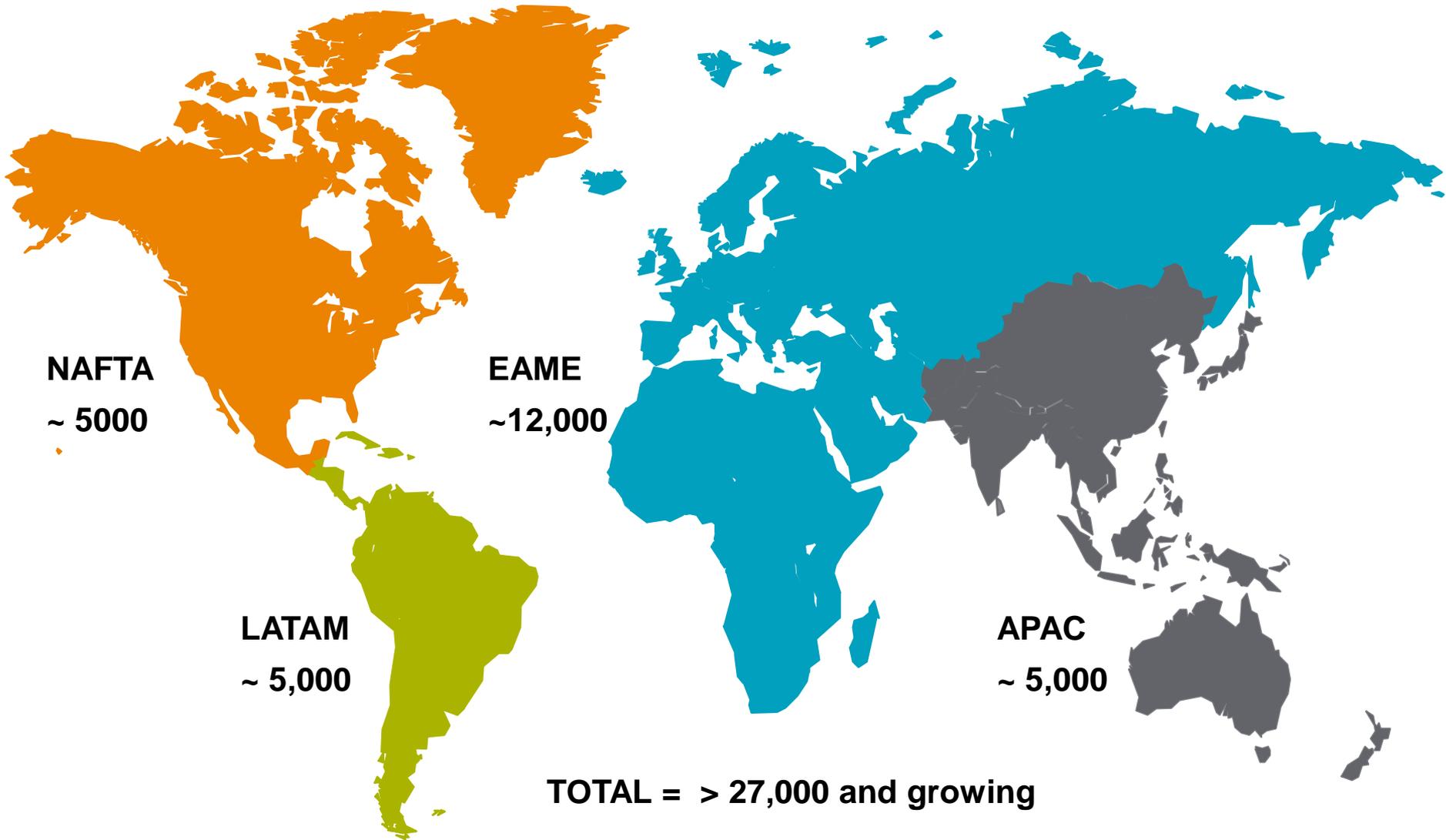
Dr Lisa Mitchell

Syngenta, Huddersfield Manufacturing Centre

We are integrating technologies

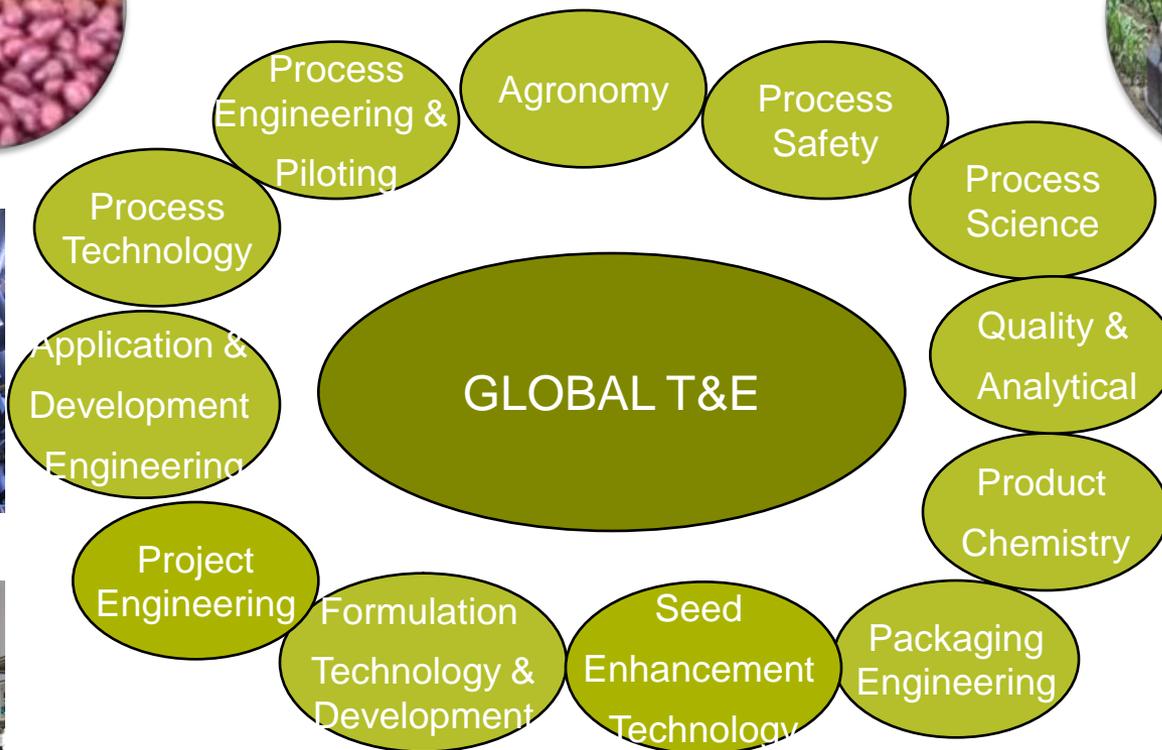


Where our people are located



Technology & Engineering – Global Capabilities

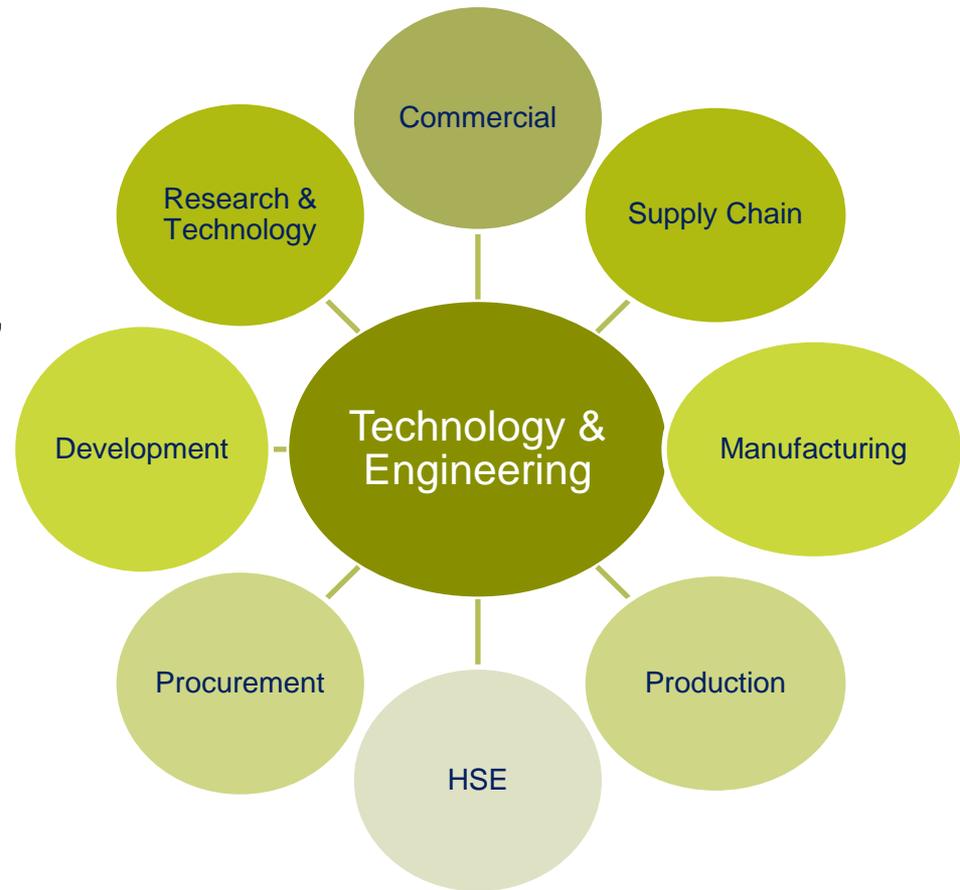
> 900 staff deployed around the world





Technology & Engineering - Global Function with Strong Interfaces

- ✚ Designing & implementing technologies for Crop Protection and Seeds Products
- ✚ New Product introduction (Seeds, Active Ingredients and Formulations)
- ✚ Life Cycle Technology Management
- ✚ Sourcing
- ✚ Asset Provision
- ✚ Project Engineering



My background

- MChem: University of York with one year placement at Nestle (analytical chemistry).
- One year with Novartis, Horsham (analytical chemistry).
- PhD: University of Leicester (finished at Strathclyde) with Prof Jonathan Percy in physical organic and organofluorine chemistry.
- Started with Syngenta in 2008 as a contractor in Process Studies Group at Jealott's Hill.
- Taken on permanently 3 months later as Senior Process Chemist.
- 1 month secondment to Monthey, Switzerland in 2010.
- Move to Huddersfield Manufacturing Centre 2011, promotion to Chemistry Team Leader for Herbicides.
- Transition to GL from July 2014 for Herbicides group.

Areas of work in Syngenta

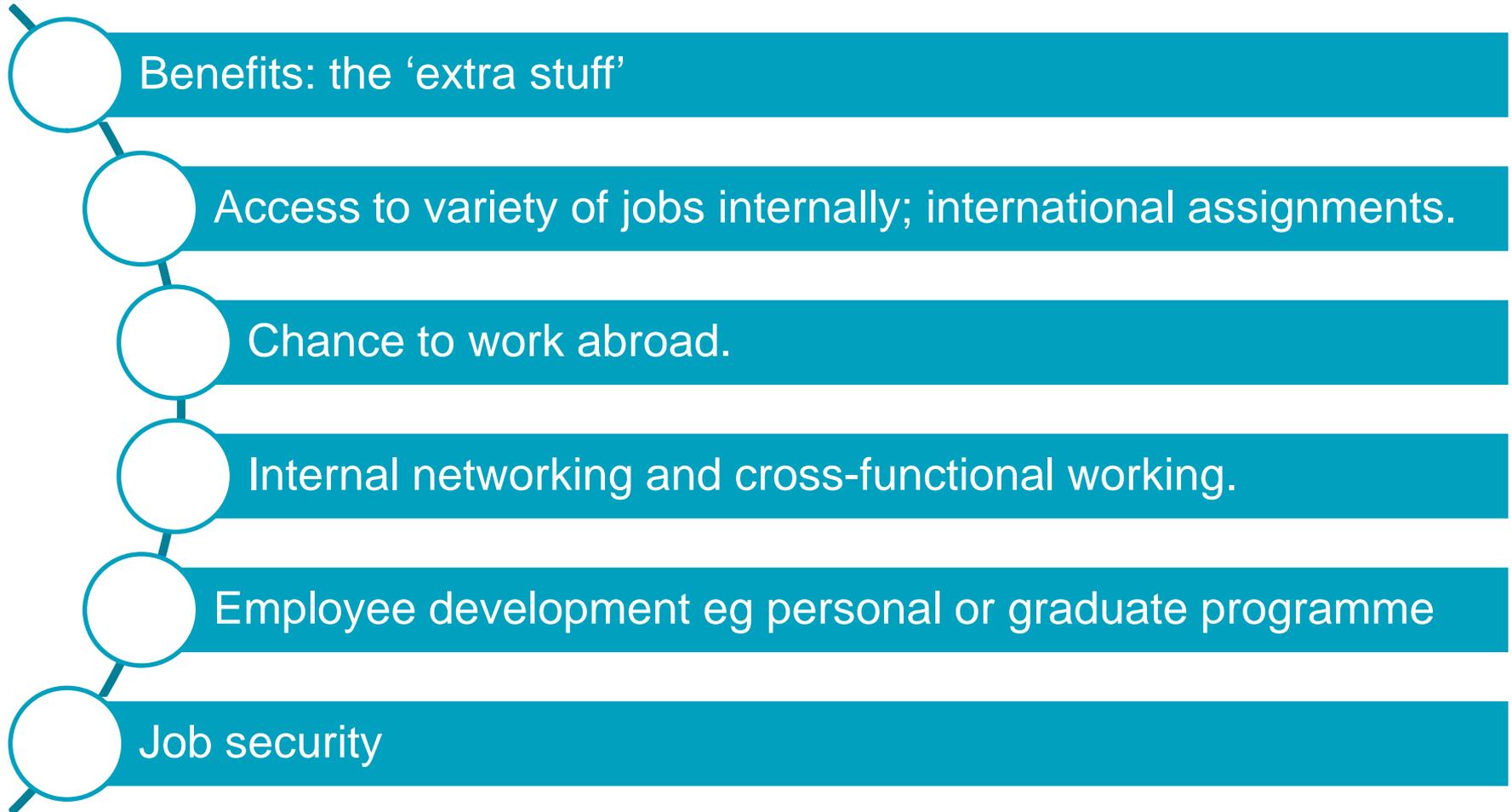
- Chemistry – research, process, manufacturing, analytical, formulation.
- Biology – plant science, GM, seeds, entomology.
- Agronomy
- Engineering – production, seeds processing, pilot plant, development, project management.
- Regulatory – human, environmental, animal safety, toxicology, product registrations.
- HSE – environmental, occupational, information.
- IP
- Legal
- Business and marketing – includes supply chain, procurement, sourcing, asset planning etc.

Plants – not just the green things!

- ✚ Syngenta's key products are crop protection and seeds.
- ✚ R&D of new products – research chemistry is an obvious career path for new graduates.
- ✚ How about seeds processing?
 - ✚ Seeds are natural – so how easy is it to standardise processes?
 - ✚ Seed treatments.
 - ✚ Estimation of volumes and yields...
- ✚ How about manufacturing?
 - ✚ Produce Syngenta AI's and formulate them.
 - ✚ Brings about the challenges of scale.
 - ✚ Optimisation, improvement and daily pressures of production.



Benefits of working for a large company



Thank you!

- Any questions?