



JENAS-2022

2nd Joint ECFA-NuPECC-APPEC Symposium

Training of scientific and technical staff

Prof Dr Carsten P Welsch



Personal background

- **Coordinator** of five MSCA innovative training networks, overseeing training of ~100 Marie Curie Fellows
- **Director** of two Centres for Doctoral Training in Data Intensive Science with ~40 PhD students each
- **Head of Physics Department**, responsible for training of +150 PhD students
- **Chair** of STFC's Education Training and Careers Committee and member of UKRI's Skills Advisory Group, overseeing researcher development in the UK (and beyond)



Marie Skłodowska-Curie Actions

Enabling cutting-edge training for researchers



Training Networks

Providing ideal career basis



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The many faces researcher training

Thousands of experts already trained



The Cockcroft
Institute

Accelerator Research

Ideal for cross-sector training



Back in 2007

Birth of an idea: DITANET



Researcher training

Cross-sector training and experience is key

GANIL Laser
LABNET
School 2012



Researcher training

Joining different communities



Scientific events

Accelerating innovation



Exploring new opportunities

Spin-out company – international success



International project representation

Network outcomes presented around the world



Public engagement

Fascinating the next generation



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Project TEAM

Crucial support for the best science + training

Summary

- Successful researcher training programs are based on **cohorts** and connect universities, research centers and industry.
- **Cross-sector experience** broadens skills, drives innovation and improves employability.
- **Interdisciplinary training events** support knowledge transfer and pave the way for collaborative R&D.
- **Training model** has been promoted through international workshops and L&T conferences.
- Significant **impact** generated on our research community and also engaged successfully with the general public.