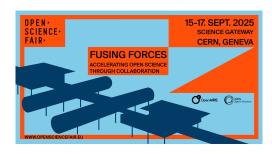Contribution ID: **169** Contribution code: **-169**   Type: **Poster**

Beyond institutional boundaries: BioNT's collaborative model for open science digital skills training

The BioNT consortium demonstrates how strategic collaboration across sectors accelerates open science (OS) skills development in the biotechnology and biomedical domains. Uniting nine academic and industry partners from four European countries, BioNT bridges the gap between academic expertise and industry needs to create effective digital skills training for job seekers and SME employees.

During this conference, we will share how BioNT actively integrates with established OS communities to accelerate our impact: By partnering with The Carpentries, Galaxy Training Network, CodeRefinery, and ELIXIR, BioNT has amplified its impact through shared resources and methodologies while contributing back to these communities. As an example, we will share BioNT's ongoing collaborative development of a semi-automated translation framework that enables community members to adapt training materials into German, Spanish, and Italian, significantly extending the reach of OS training resources across linguistic boundaries.

The 2024 BioNT Community Event & CarpentryConnect exemplifies this collaborative approach. This joint event brought together 97 participants from 17 countries and 63 institutions, fostering cross-pollination of ideas between trainers, researchers, and industry professionals. Additionally, the Ambassador Programme transforms participants into advocates who facilitate knowledge exchange between their local communities and the broader bioinformatics ecosystem.

Impact metrics validate this collaborative model: across two curriculum iterations, BioNT has trained over 500 participants, with significant improvements in learner outcomes and industry engagement in the second iteration following collaborative refinement.

BioNT demonstrates that by transcending traditional institutional boundaries and fostering community connections, OS training initiatives can create more inclusive, sustainable, and impactful educational ecosystems.

Tagline

BioNT demonstrates how strategic cross-sector collaborations with established open science communities can create sustainable training ecosystems that transcend institutional boundaries, delivering impactful digital skills training for biotechnology and biomedical professionals across Europe.

Keywords

Community-led training, Cross-sector collaboration, Digital skills in bioinformatics, Open science communities

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