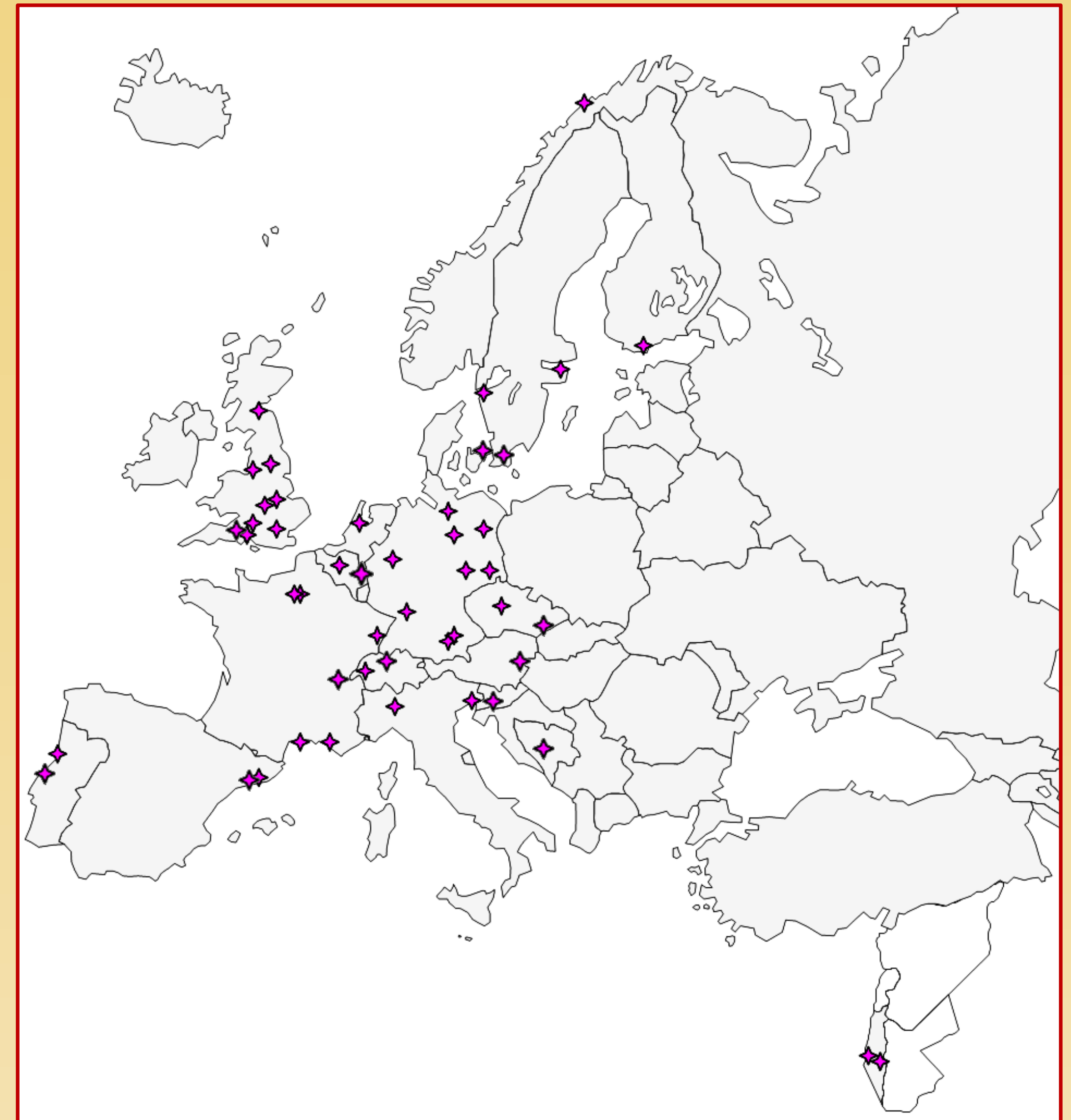




# Protein Production and Purification Partnership in Europe

## Background

P4EU was initiated after a 2010 survey of nearly 40 European protein production core facilities. We held our first 'kick-off' meeting in Halle in 2011 for around 30 interested parties. Since then we have organized 8 meetings (normally attracting 30-40 participants) across Europe. The current (web) registered members number 68, but our mailing list exceeds 100 participants, including centres from as far afield as Israel and Australia.



Participating research centres. \*-University of Queensland, Australia not shown.

## The aims of the P4EU

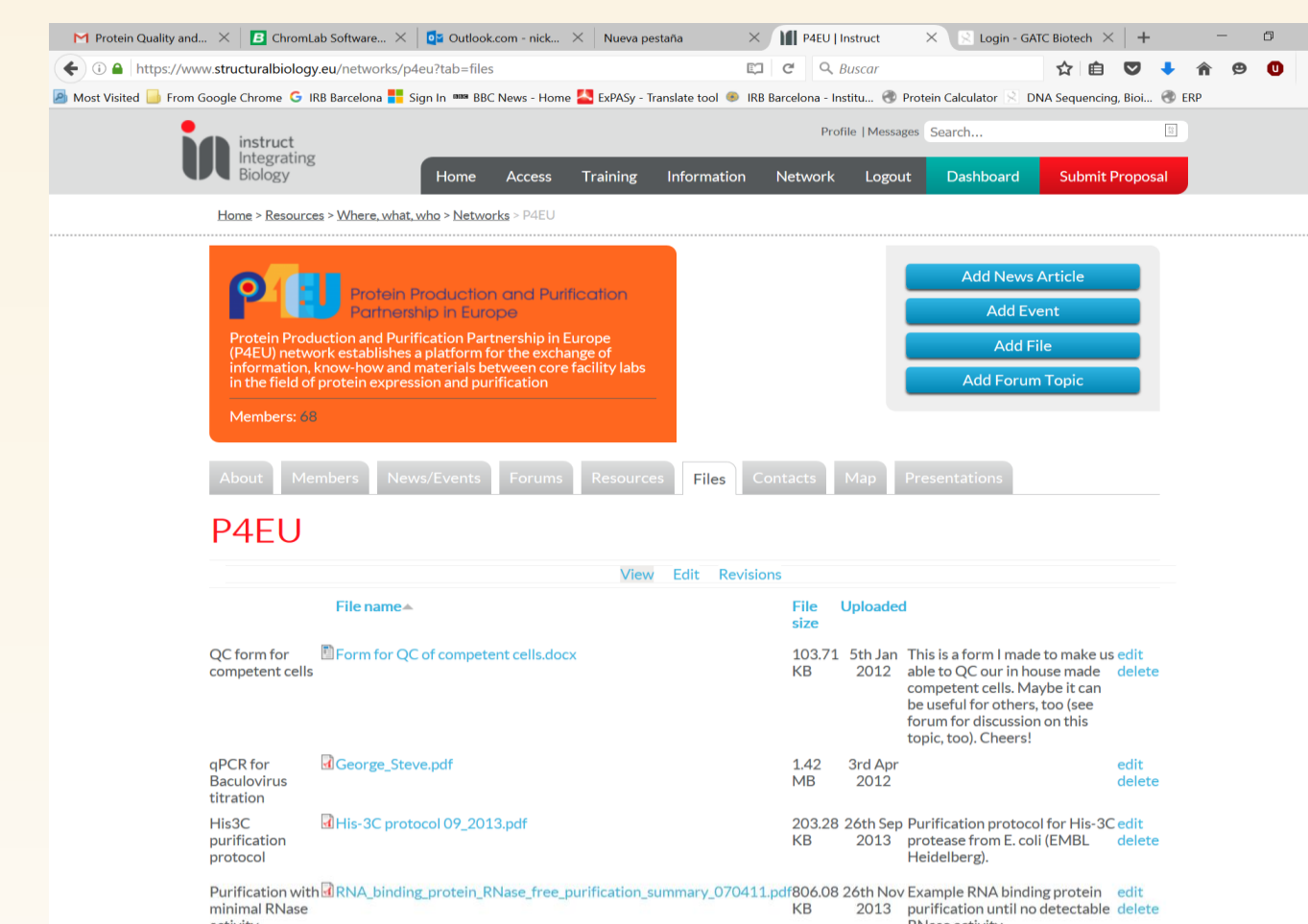
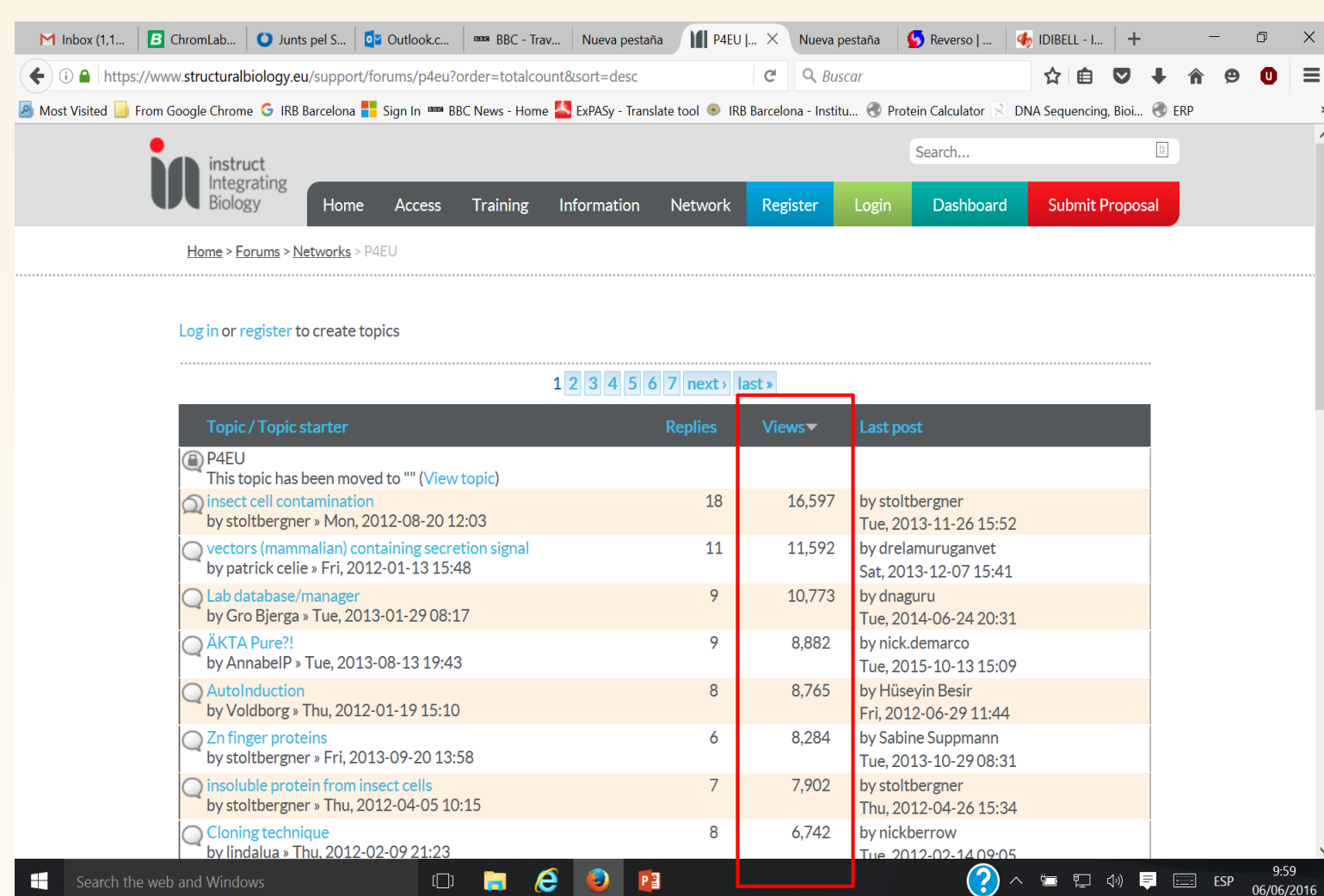
- Regular **meetings** open to all-comers (biannual).
- Open access **scientific forums**
- **Mutual support** e.g. rapid responses to scientific problems.
- **Facility sharing**
- **Benchmarking and method evaluation**
- **Free exchange of reagents** e.g. plasmids, cells etc.
- **Dissemination of 'best practices'** through teaching and web-based media



P4EU 'satellite' meeting at the Institut Pasteur (CTLS 2014).

## Examples of P4EU achievements

- Regular meetings, often 'themed' to tackle a certain problem or recent methodological advances e.g. *Eukaryotic protein expression platforms, CPR, Copenhagen, Winter 2011*.
- Web-based forum attracting many thousands of 'views' offering rapid responses to problems relating to protein production, equipment, reagents and protocols.
- Benchmarking and validation of common protocols
- Publication and dissemination of protein 'best practices' and validated protocols through web site.



- Training/knowledge dissemination within network e.g. *lab A had many problems with the stability of it's baculoviral expression platform, the problem was rapidly resolved by using reagents and validated protocols from lab B.*

- 'Crowd-funding' of otherwise unaffordable projects-Sf21 genome project. The data collection and genome annotation is complete and a paper is currently under review.



- Establishment of a working group with the Association of Resources for Biophysical Research in Europe (ARBRE) with the aim of introducing and promoting Protein Quality guidelines for both researchers and journal editors.

For further information on P4EU please either register at <https://www.structuralbiology.eu/networks/p4eu> or contact Sabine Suppmann (suppmann@biochem.mpg.de).