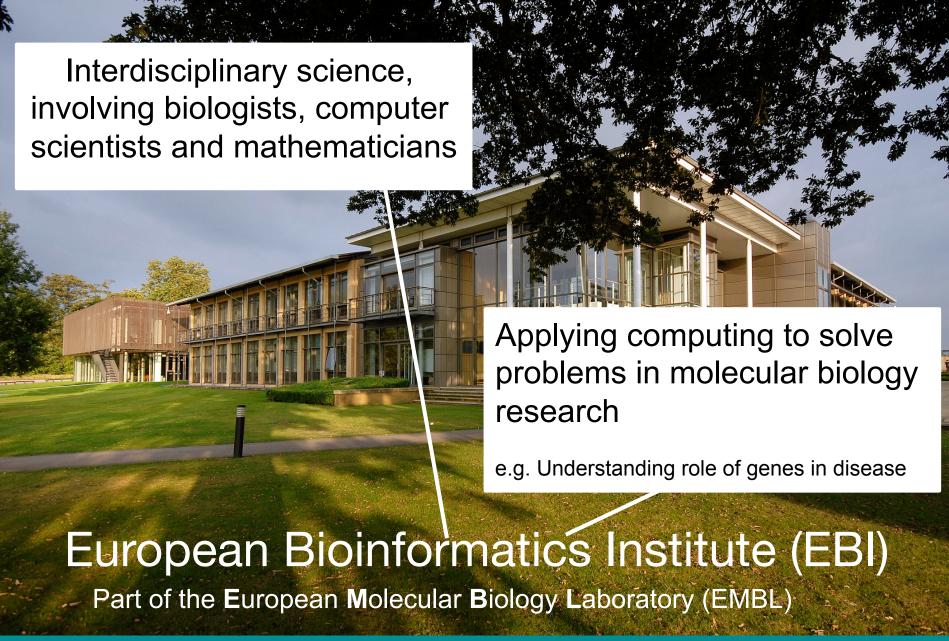
```
--- google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 15.453/15.453/15.453/0.000 ms
root ~ # ls
Desktop README
root ~ # cd /
root / # ls
bin dev home lost+found mnt proc sbin
                                                   tmp
                                              srv
                                                        var
boot etc lib
                                 root
                ∎edia
                            opt
                                              sys
root / # pacman -Ss pidgin
                                  Coming out of your shell
extra/libpurple 2.6.6-1
   IM library extracted from Pidgin
extraUsing UX workshops to your advantage in a techie/scientific setting
   Multi-protocol instant messaging client
extra/pidgin-encryption 3.0-3
   A Pidgin plugin providing transparent RSA encryption using NSS
extra/purple-plugin-pack 2.6.3-1
   Plugin pack for Pidgin
extra/telepathy-haze 0.3.4-1 (telepath Jenny Cham & Paula de Matos
   A telepathy-backend to use libpurple (Pidgin) User Experience Analysts
community/guifications 2.16-1
   A set of GUI popup notifications for pidgin
community/pidgin-fonomobutton 0.1.6-1
   Adds a video-chat button to the the conversation window
community/pidgin-libnotify 0.14-3
   pidgin plugin that enables popups when someone logs in or messages you.
community/pidgin-musictracker 0.4.21-2
   A plugin for Pidgin which displays the music track currently playing.
community/pidgin-otr 3.2.0-1
```

ms ^C





The five branches of EMBL

Heidelberg

- Basic research in molecular biology
- Administration
- EMBO
- 1500 staff
- >60 nationalities



Structural biology



Structural biology

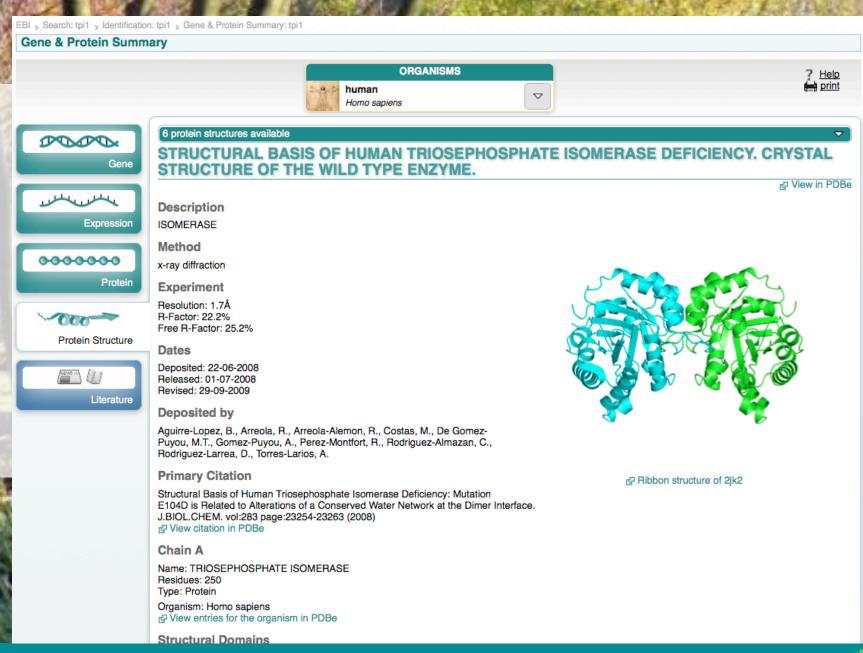


Bioinformatics



Mouse biology



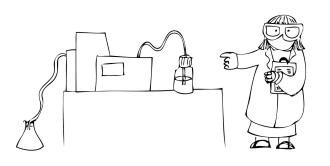


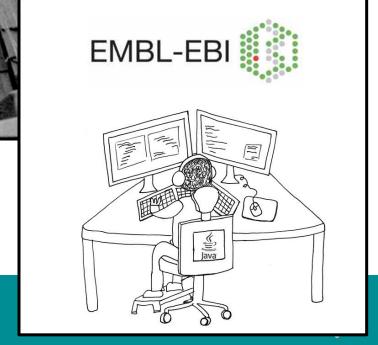
UX at the European Bioinformatics Institute



Scientists, bioinformaticians in academia & industry

ENZYME RESEARCH





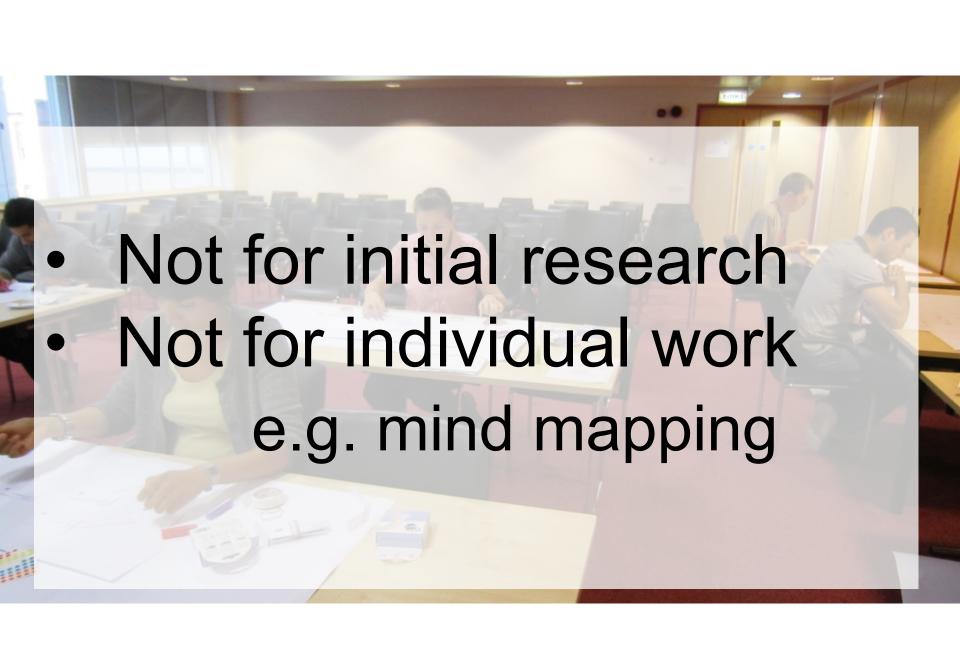


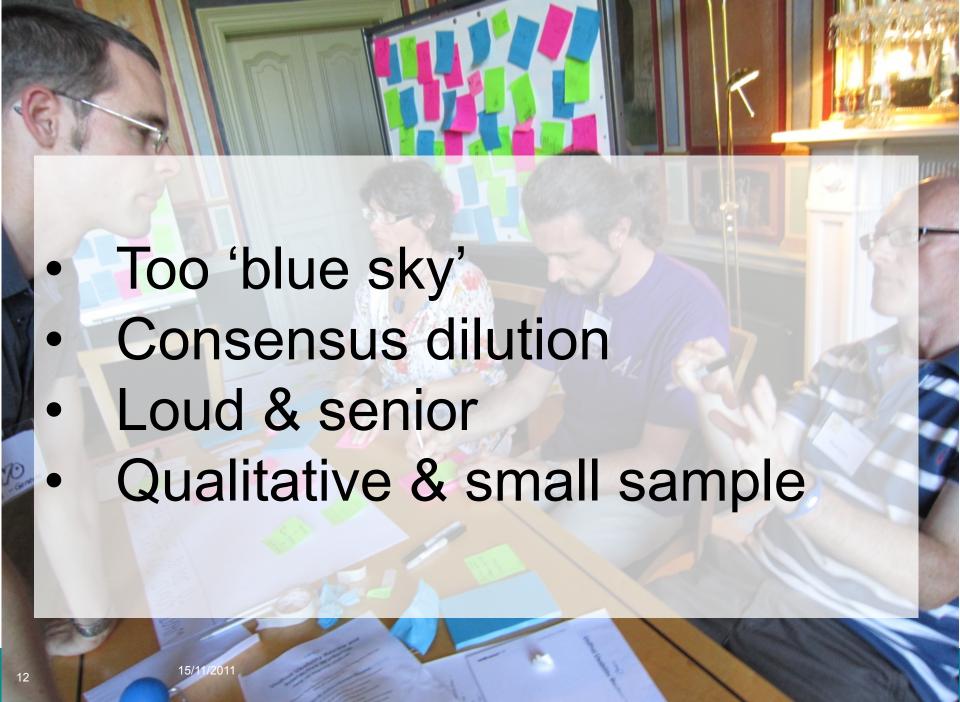


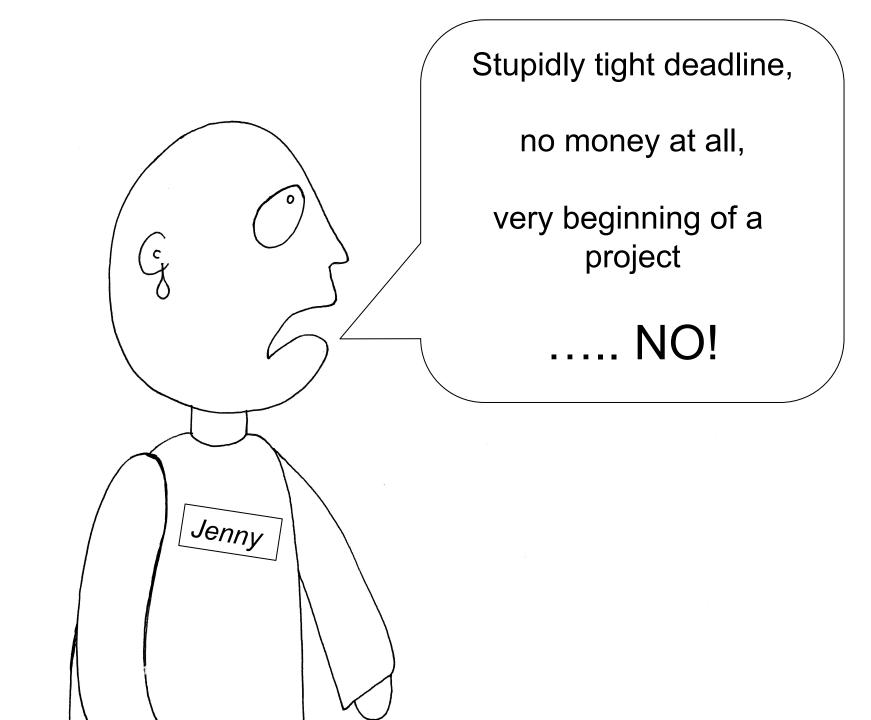




Conflict Resolution 13 Prioritization Training & Awarenass











Just before



During

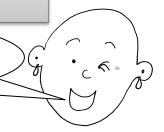


Straight after



Back in the office

...then lessons learnt







Just before



During

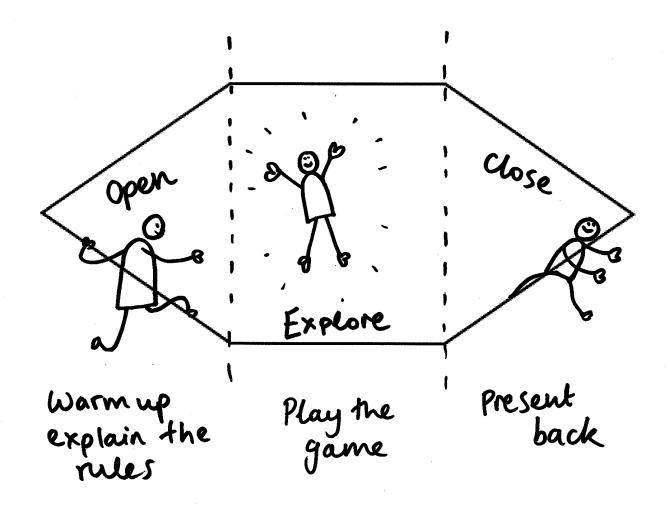


Straight after

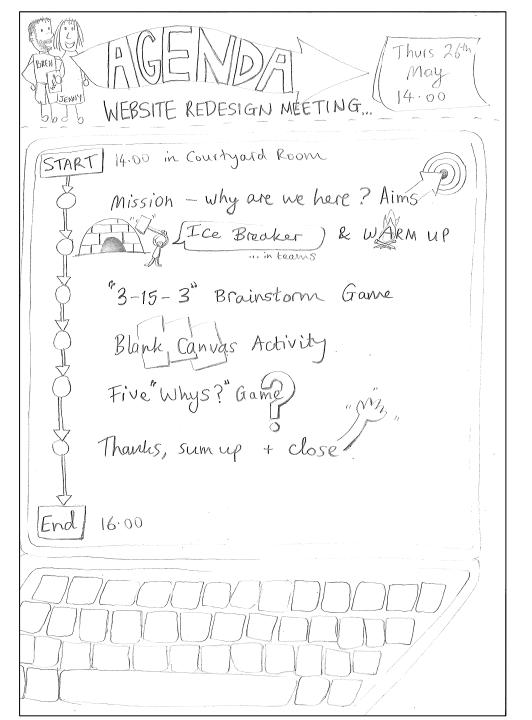


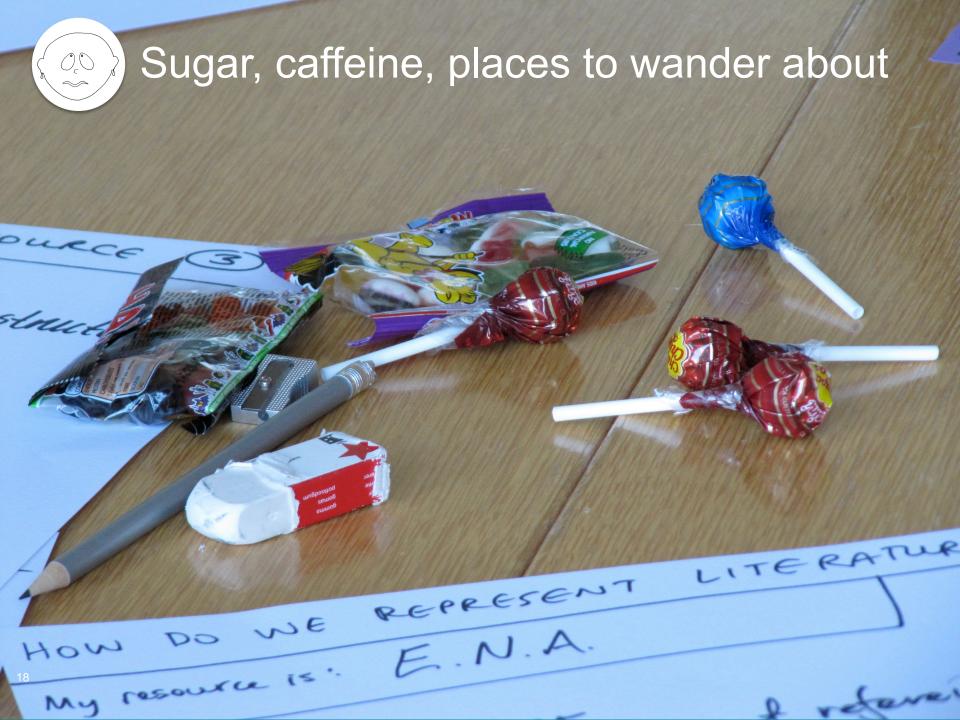
Back in the office

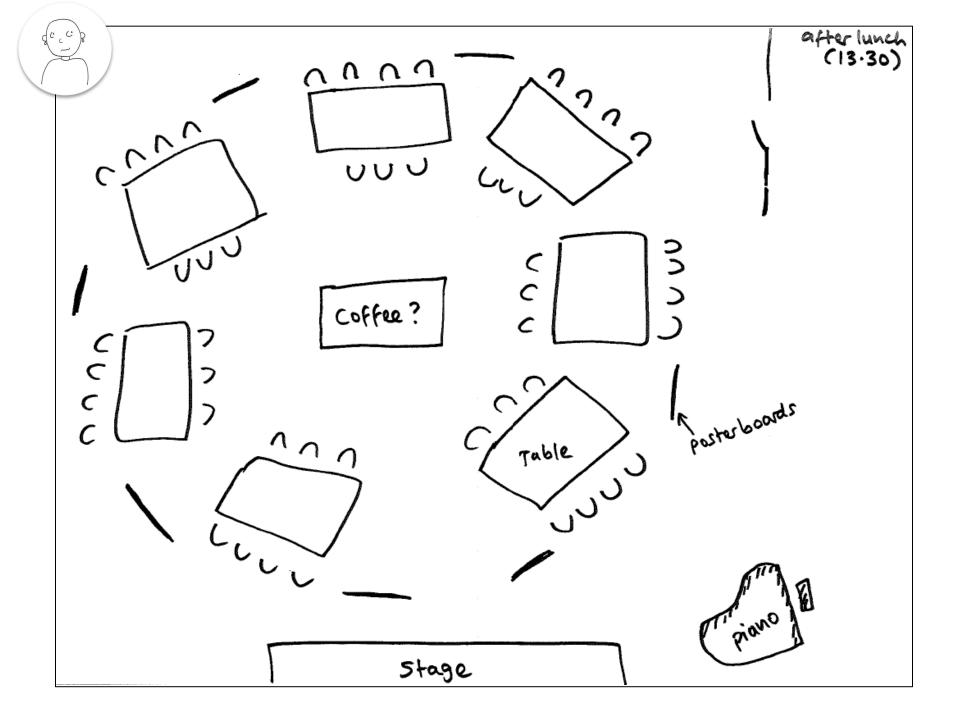
















DOMAIN KNOWLEDGE

TECHNICAL KNOWLEDGE

5/10

EXPERIENCE

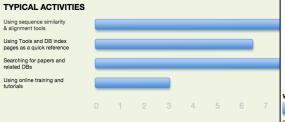


Ron / occasional visitor

"The EBI website would be great if it were more like the NCBI site!"

Ron is a well-informed biochemistry researcher at an institute in the USA. He spends time doing rese supervising PhD students and teaching biochemistry and bioinformatics; his background is in wet-lab several papers and often travels around the world to take part in conferences and meetings with collab familiar with the NCBI site and what the EBI is; however, he only comes to the EBI website if he has to Clustal or to look at a specific research group page.

His teaching materials nearly always use NCBI resources, only occasionally EBI ones. Sometimes he re and wants to look something up in a specific resource at the EBI. Ron has arthritis. He can use a keybo periods, but finds it difficult to click small links and buttons. He often uses Dragon Naturally Speaking and dictate emails. "EBI is an important organisation, but I don't use their site much - only when I nee



DOMAIN KNOWLEDGE **TECHNICAL KNOWLEDGE EXPERIENCE**





Terry / explores topics of interest

DRIVERS o Wanting to help patients by finding new ways to treat

TYPICAL ACTIVITIES

Landing on deeper EBI pages after Google search

Using EBI Search summaries

Searching for papers

Looking for interesting

arrhythmias

sources of data

3D protein structure/chem

 Understanding how the EBI relates its data to scientific papers Wanting credible, reliable

colleagues

GOALS

o Finding a summary of the state of the art for a disease area or set

of gene loci Finding citations for papers Share information with

o Finding info on disease drugs

and phenotypes

"The EBI website would be great if it could quickly give me explanations and information Terry is trained as a medical doctor; he is currently working full time in a clinical research laboratory. His research interests are in the field of cardiology, and in particular ion channels/ electrochemistry of the heart. He is reasonably technically savvy - he can use Ensembl Biomart for example, but is very short on time, so more often than not he uses PubMed, Google, OMIM and Wikipedia. He is aware of Ensembl and EBI services, but finds it so time-consuming to use, he usually uses it only as a last resort. Terry has dyslexia and finds small text and some typefaces hard to read. He often feels frustrated by websites with complex navigation. He much prefers documents with a clear structure and short paragraphs. He occasionally uses a screen reader to read aloud web pages and PDFs. "Life is too short to spend all day finding what you want on the EBI website - I'd rather read

PAIN POINTS

- Obscure navigation o EBI search behaviour
- o Not finding provenance info

Frequency ->

- o Hard-to-read content Unhelpful error pages
- Not finding help when needs it

DRIVERS

- o Wanting to solve research problems
- Being better able to inform grant applications

GOALS o Investigating sequence evolution o Identifying functional

materials (for students)

PAIN POINTS

o Difficulty finding what tools are available

residues/targets for site-directed

mutagenesis o Making us of up-to-date teaching

o Finding homologous sequences

Hannah / looking to learn & be inspired

"The EBI website would be great if it told me what the EBI offers me as a biologist, and if bioinformatics is for me."

Hannah has come from the Czech Republic to study Genetics as an undergraduate in the UK. She has heard of the EBI and has one module on her course on bioinformatics, but would like to know more about it. Hannah is also exploring her options in looking for some work experience in a wellestablished company for her internship 'sandwich' placement year. She has an iPhone and expects a good experience on websites, because she uses the web and iPhone apps a lot. "Bioinformatics looks interesting, I think I might want to be part of this - it's where the future's headed"



TECHNICAL KNOWLEDGE

EXPERIENCE

Computer Wet Lab

75%

future opportunities Finding EBI research Using social media and Searching for topics of interest

Looking for internship and

TYPICAL ACTIVITIES

Using training sites to discover local workshops

DRIVERS

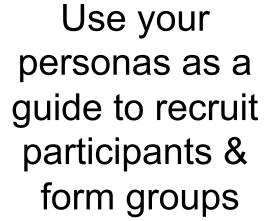
- o Establishing career options
- o Wanting to learn more about
- o Wanting to learn more about the EBI in general

GOALS

- o Finding out how to do a placement or have work experience at the FBI
- Finding online training material Finding local training courses Finding summary information about EBI activities

PAIN POINTS Not knowing where to go on the website

- EBI-specific or technical jargon
- and acronyms
- Not understanding relationships between DBs







Laboratoire Européen de Biologie Moléculaire European Molecular Biology Laboratory Europäisches Laboratorium für Molekularbiologie



Researcher Input Needed – Help Us Create a 'Tube Map' of Molecular Biology for the EBI

When?

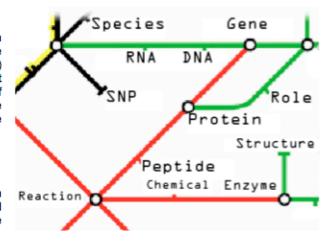
The European Bioinformatics Institute (EMBL-EBI) is planning to play a 'Tube Map' game at the Piemonte Bioindustry Park, **Centro Congressi**, **Sala Eridano on Thursday 6**th **October** as part of the SME event. This game is designed to help us create a user-friendly information architecture for the EBI website and its online bioinformatics services. The output looks a bit like the London Underground train network, the so-called 'Tube Map'. We need your help to decide how to construct our map. **Dr. Jenny Cham** (user experience analyst, EBI) and **Dr. Gabriella Rustici** (Training coordinator for functional genomics, EBI) will be hosting this activity and it will be taking place between **10.00 and 12.30**.

Why?

We would like to include you in the design process for a new information map for the European Bioinformatics Institute (EBI) website (www.ebi.ac.uk). Your involvement will help us focus on the 'user experience' of lab-based researchers, so that our website will better suit researchers' needs, and will be easier to use.

What?

We are aiming to create a revised information architecture for the EBI website, and need your help to decide how to construct it. There is no need to prepare anything.



What do I get in return?

By taking part, you have the opportunity to influence the design of our whole EBI website. Furthermore, as a small token of our thanks, we will offer you a small gift, courtesy of EMBL-EBI.





Pre-workshop online survey

6. Which of the following most closely describes the nature of your work?
mostly 'wet' laboratory work (e.g. you are a scientist performing experiments in a lab, or manager/overseeing 'wet' research)
mostly 'dry' work with computers (e.g. you are a bioinformatician)
non-scientific work, but related to science/ research (e.g. you are in scientific outreach and training)
non-scientific work, not involving science/research at all (e.g. you are an administrator)
<< Previous Next >>







Just before



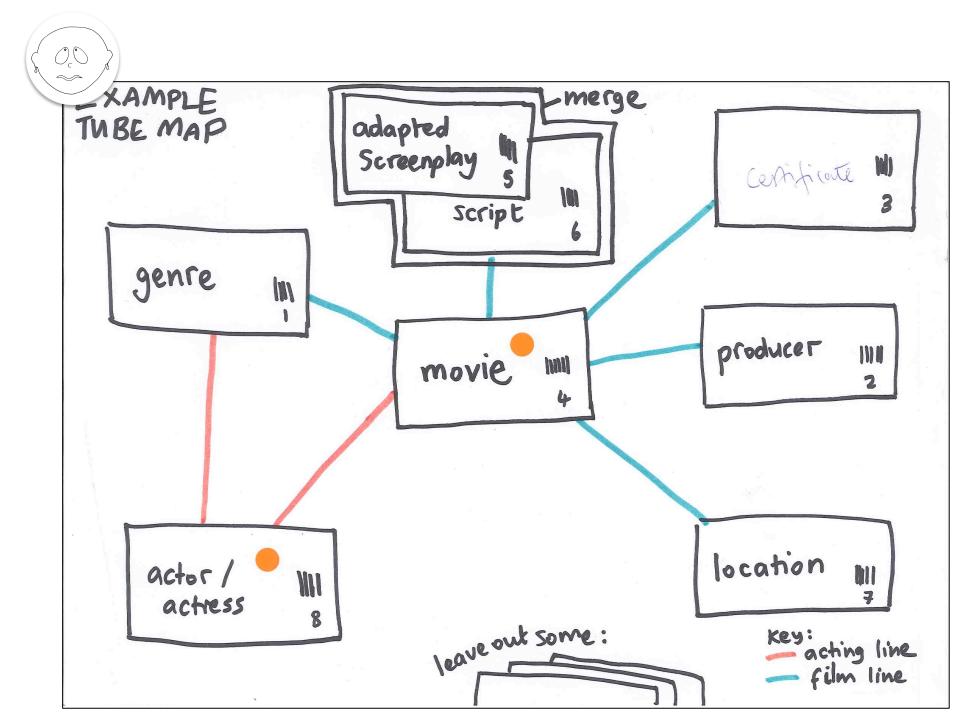
During

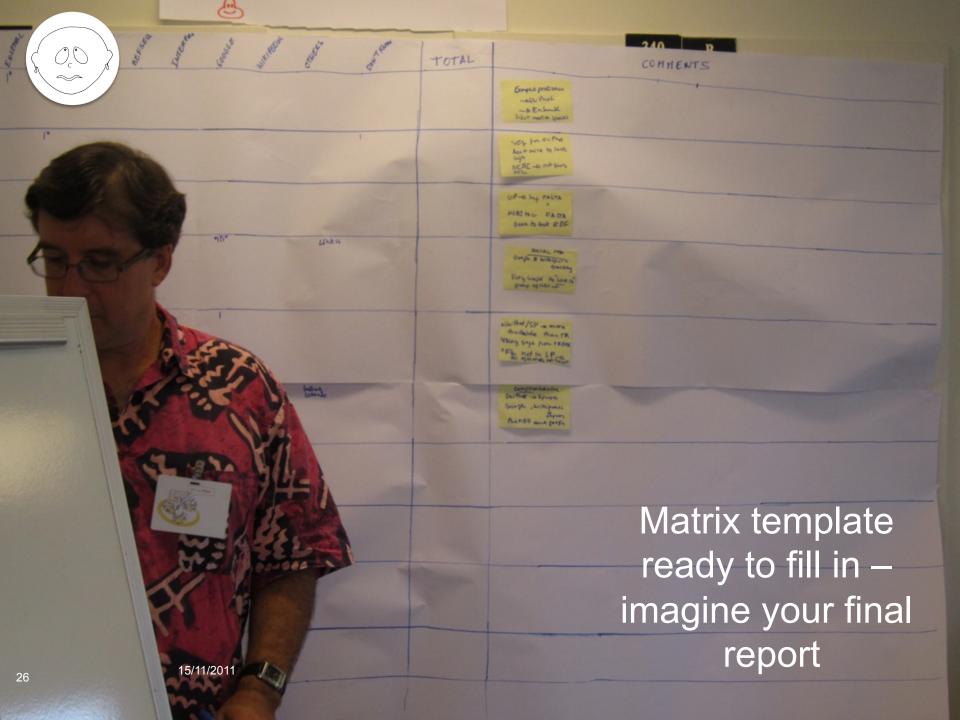


Straight after

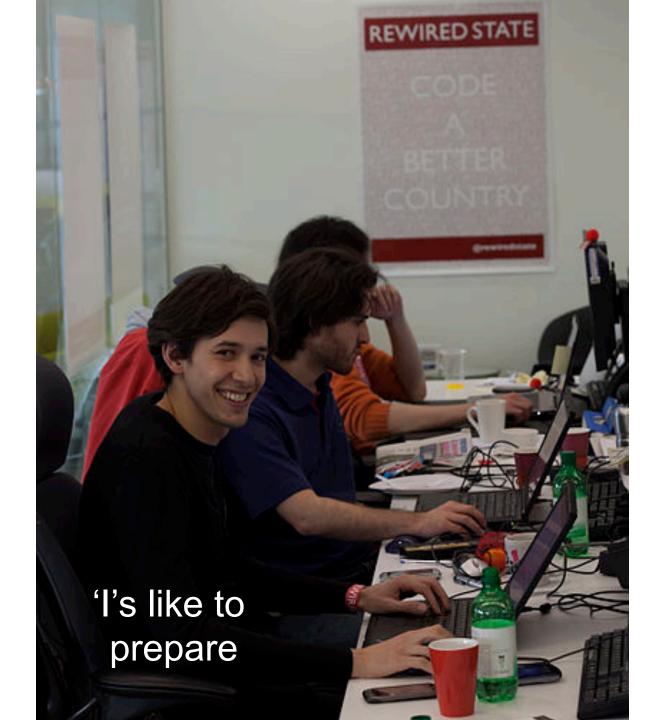


Back in the office











Contributes ideas Stays positive Isn't defensive Checks/balances

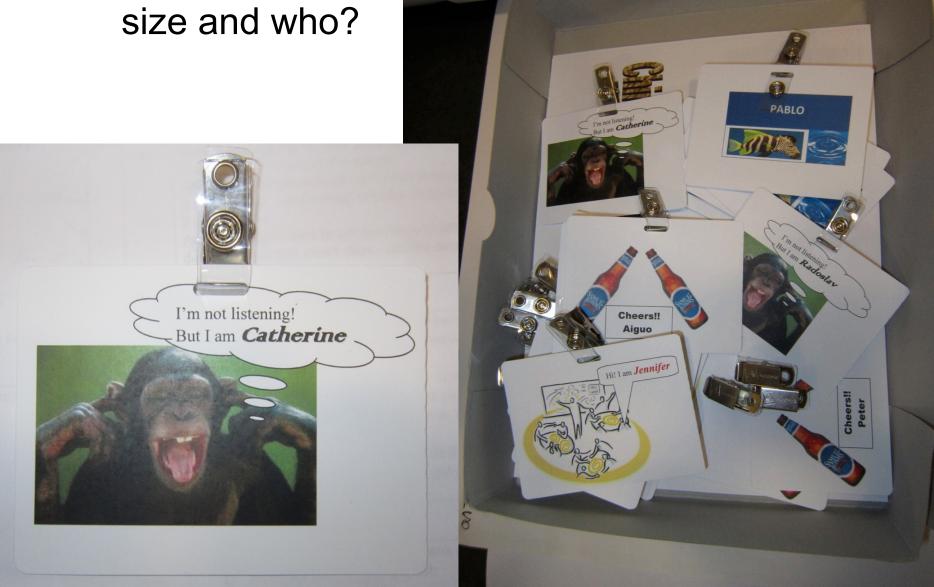
15/11/2011



Stays neutral Doesn't evaluate Doesn't contribute ideas Coordinates/manages



Groups: size and who?









Just before



During

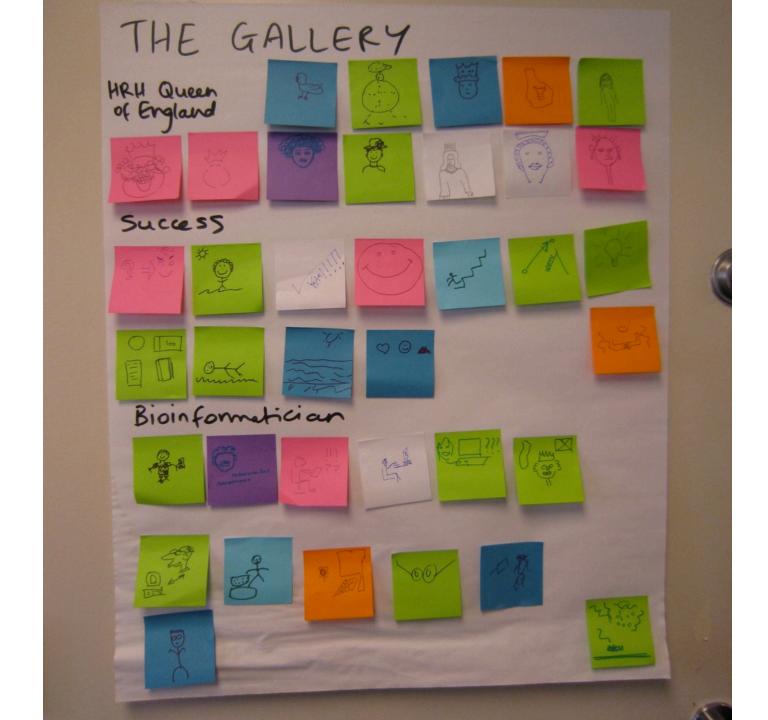


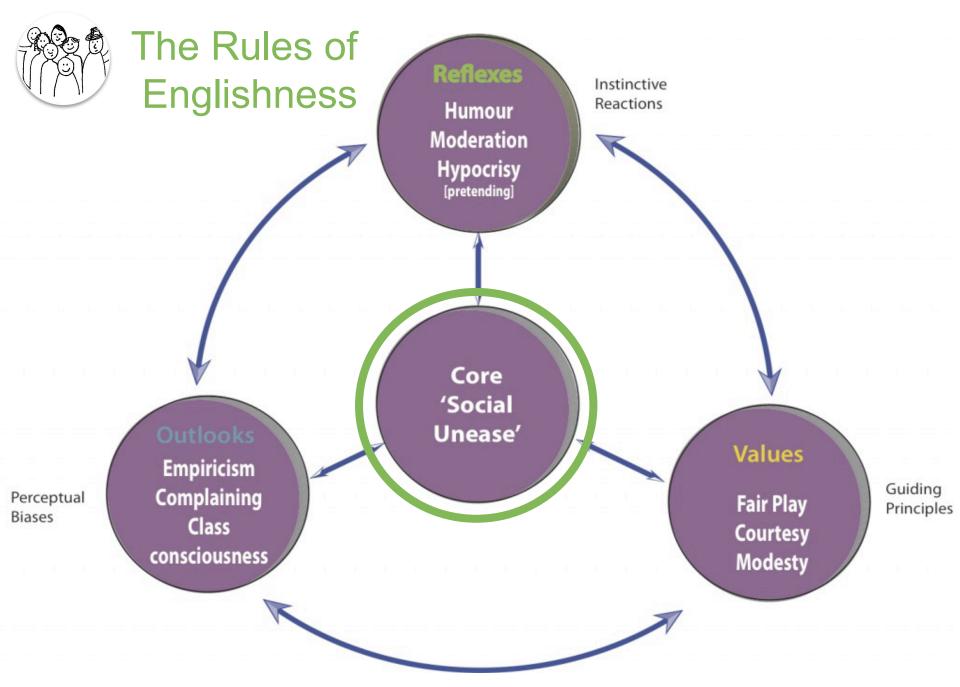
Straight after



Back in the office







Adapted from Kate Fox 'Watching the English'



Who is in the room?







Participant feedback









In advance



Just before



During



Straight after



Back in the office





In advance



Just before



During



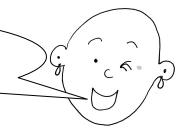
Straight after



Back in the office



...then lessons learnt

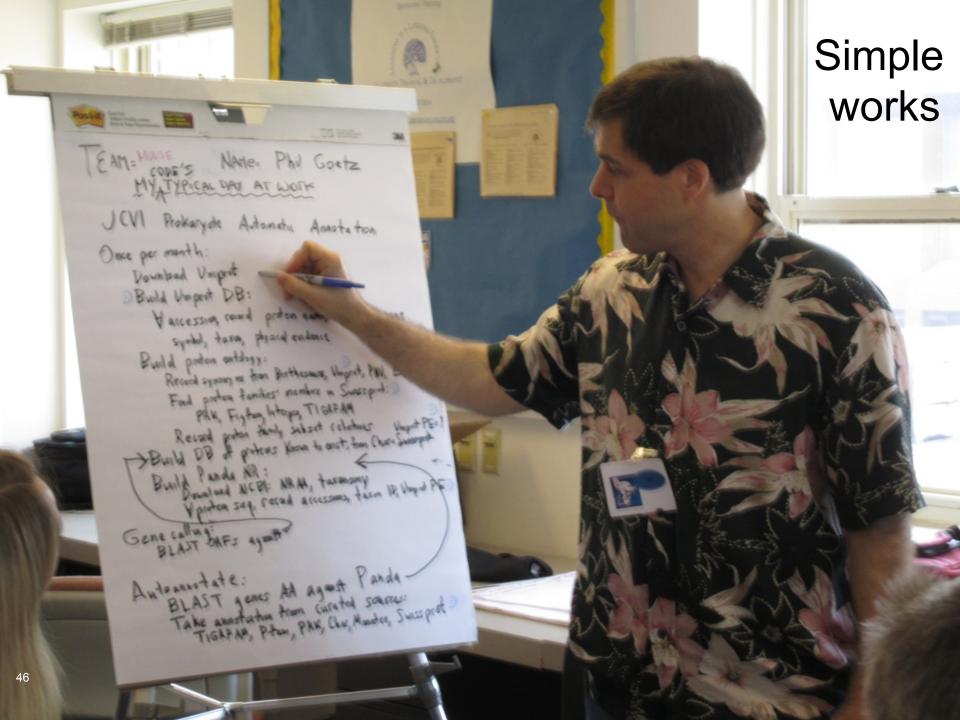




"But this is just silly!"









Refs.



 Gamestorming: A Playbook for Innovators, Rulebreakers, and Changemakers (2010)

Dave Gray, Sunni Brown, James Macanufo

- Microsoft Desirability toolkit
 Good article on http://uxmatters.com
- Watching the English (2005)
 Kate Fox

Love your audience.



