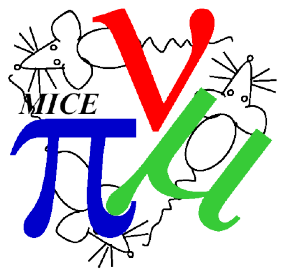# MICE Computing and Software Looking into the future

David Colling
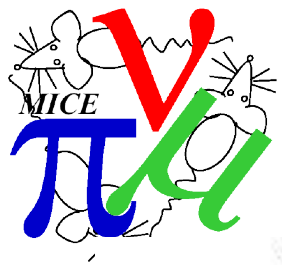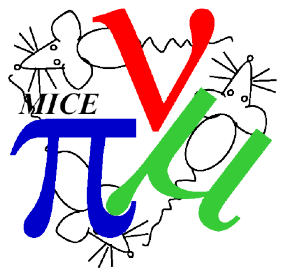
Imperial College London

Outline

- I have 30mins but very few slides.
- This is because I want to leave time for discussion.
- If there is no discussion we get to go to coffee early
- In future CM I will give detailed technical talks, this is about the "shape of the plan".
- I am still learning about MICE
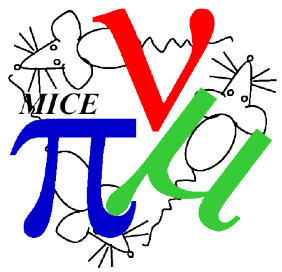
The story so far...

What do you do when superheroes hang up their cloaks?

- You resort to process and structure to enforce best practise
- We need to:
  - Have resilient working system – that copes with failure
  - Safe data
  - A system that can stand a superhero getting a huge teaching load, becoming a teacher or writing a best selling SciFi book...
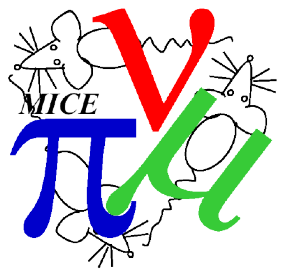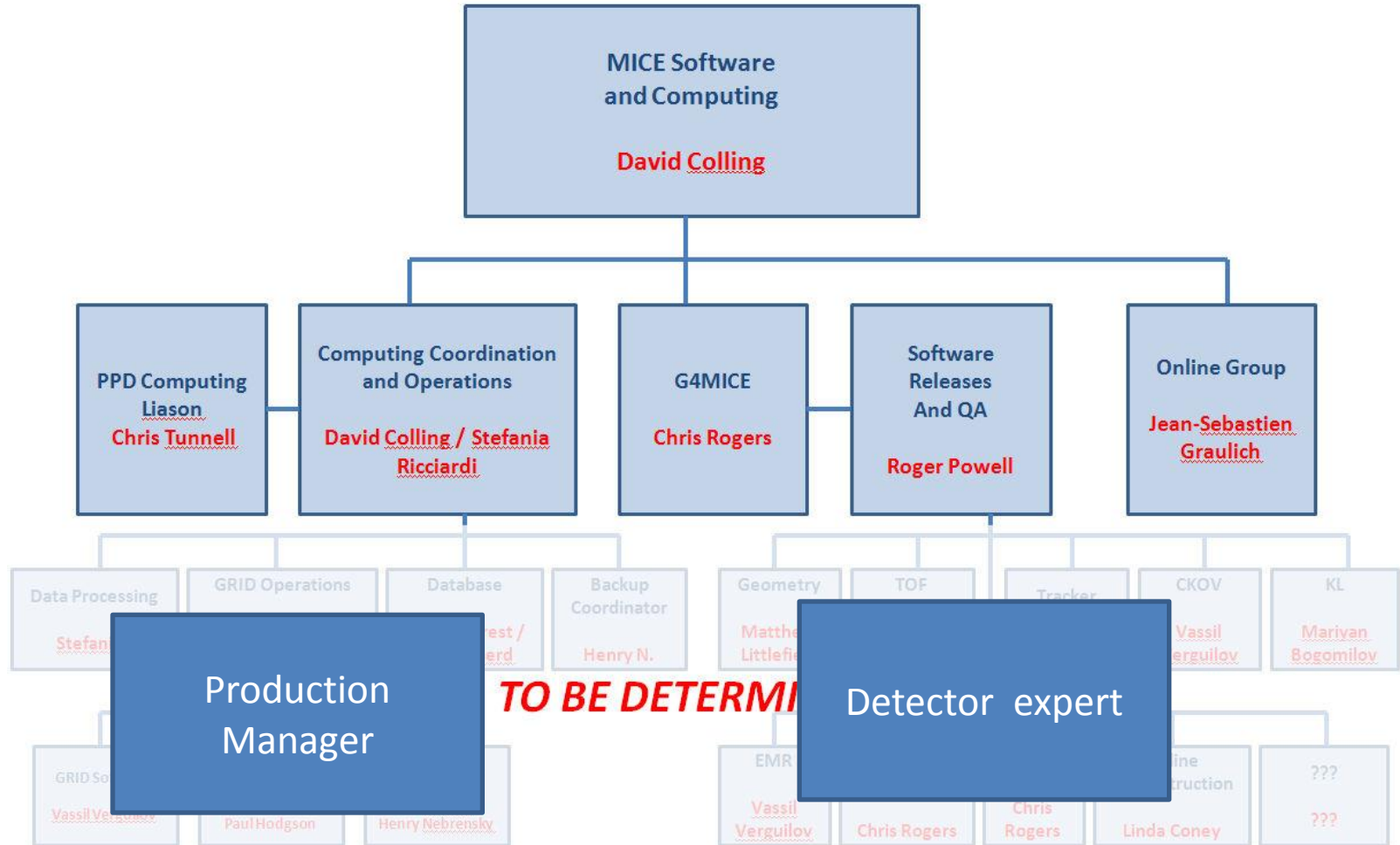
The Process

- We introduce coding standards
- We introduce testing (code and system)
- We introduce resilience wherever we can (VMs can help)
- We introduce regular release cycle
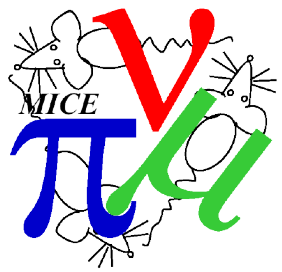- We have code and service ownership

- We need to keep what is good, improve what is less good, ditch what bad – and there is some bad and some known problems.
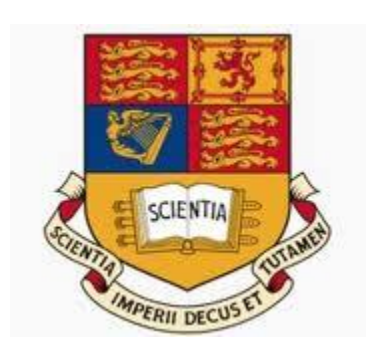
The New Structure

MICE Software and Computing

David Colling

PPD Computing Liason	Computing Coordination and Operations	G4MICE	Software Releases And QA	Online Group
Chris Tunnell	**David Colling / Stefania Ricciardi**	**Chris Rogers**	**Roger Powell**	**Jean-Sebastien Graulich**

Data Processing	GRID Operations	Database	Backup Coordinator	Geometry	TOF	Tracker	CKOV	KL
Stefan...		rest / erd	Henry N.	Matthe Littlefie			Vassil erguilov	Mariyan Bogomilov

Production Manager

TO BE DETERMI...

Detector expert

GRID So...			EMR		ine truction	???
Vassil Verguilov	Paul Hodgson	Henry Nebrensky	Vassil Verguilov	Chris Rogers	Chris Rogers	???
					Linda Coney	

Job descriptions circulated soon!

So what now?

- We have most of the new structure in place.
- We are producing plans in the different areas
- We think we know most of the problems/issues
- We are losing key people
- We need new people – so sign up now even if you are not a superhero
- We have time but need to do a good job