

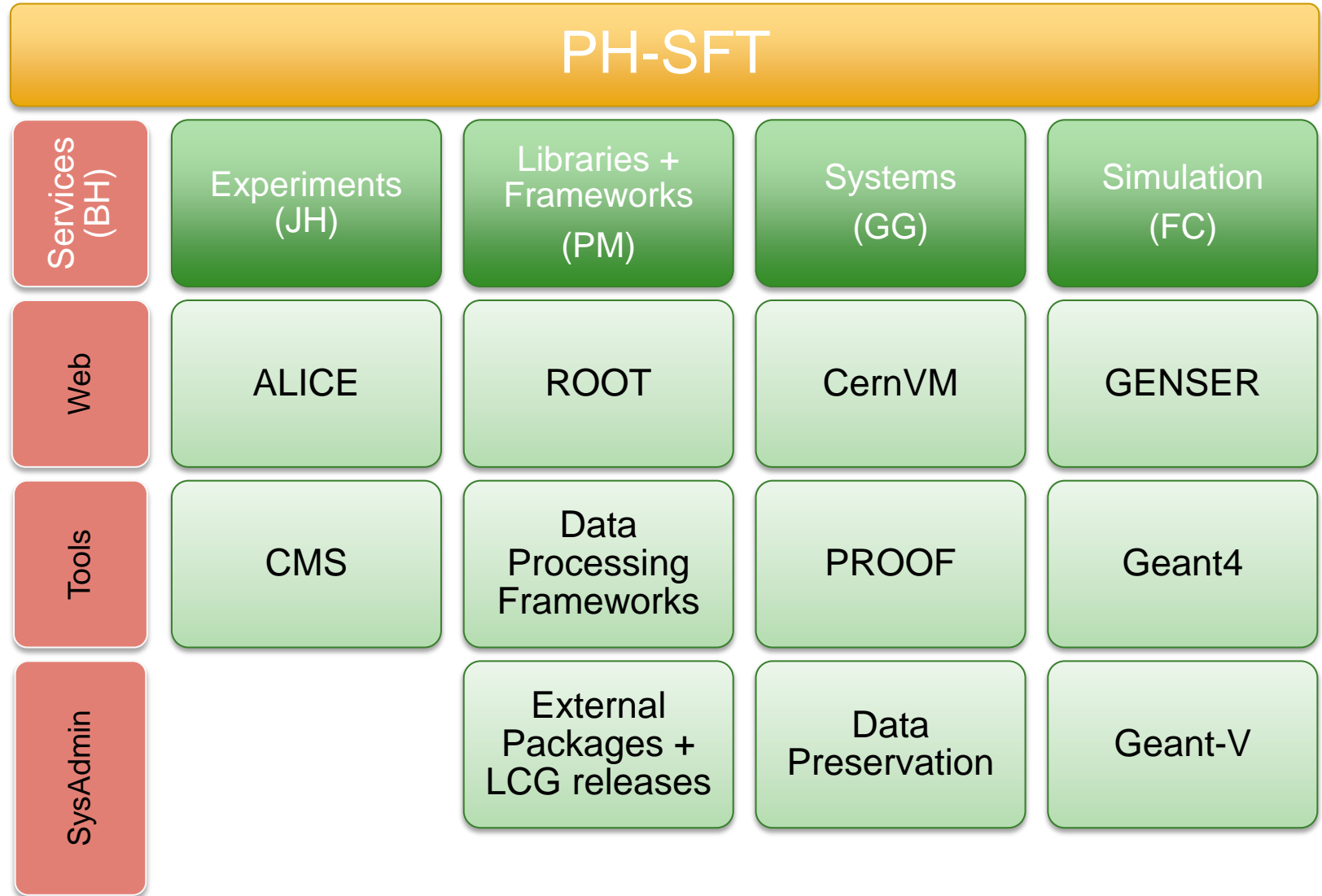
# SFT in 2014

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16<sup>th</sup> January 2014

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- ❑ Mihaly NOVAK started as a new group member
  - new CERN fellow working in simulation
  - expert in simulation, in particular on low energy EM physics
- ❑ David Smith from IT-SDC-ID will participate in the ROOT project working on tasks related to I/ O development.
  - the initial task is to build a remote file access test infrastructure
  - needed for integration testing

# SFT Organisation in 2014



- ❑ Assist experiments to prepare for data-taking in 2015
  - integration and testing of new software releases
  - increase focus on user support + documentation
- ❑ Continue campaigns to improve quality, performance, maintainability (short-term)
  - performance – use new techniques + new libraries (V)
  - code review – fix defects, cleanup code, documentation
  - simplification – remove redundant options, features, code
- ❑ Continue R&D efforts (longer-term)
  - explore new approaches and technologies
  - expand contacts with other HEP groups and other scientific domains
  - join new activities : data preservation (workshop starting today)
  - look for new funding opportunities (Horizon 2020)

- ❑ We should discuss in coming group meetings
  - Libraries and frameworks (Pere) : 27<sup>th</sup> January
  - Simulation (Federico) : 3<sup>rd</sup> February
  - Systems (Gerri) : 10<sup>th</sup> February
  - Infrastructure/ Tools (Benedikt) : tbd
  - LHC coordinators are invited
- ❑ As in 2013 the work programme will be entered into JIRA
- ❑ Discuss with the experiment contacts at all levels
  - all together in an AF meeting (February 13? March 13?)
- ❑ Use as the basis for defining ‘Objectives’ during the annual interviews
  - deadline for interviews to be completed is March 15<sup>th</sup>

- ❑ Software is getting rather mature (20 years) and computing landscape is evolving fast
  - time of change
  - R&D efforts made visible by Concurrency Forum
- ❑ Brainstorming discussions on how to move forward
  - Sergio Bertolucci, Ian Bird involved, see Upgrade TDR
- ❑ Collaborate to ensure resources and expertise for the future
  - provide roadmaps for investigating new technologies & approaches
  - network with other scientific disciplines and industry
- ❑ Goal is to engage whole software community in a coherent programme of development work
  - interoperable software packages, toolkits & frameworks

- ❑ Formal collaboration with an agreed governance model
  - equal partners who all can receive recognition
  - can provide a framework for elaborating proposals for acquiring resources
    - ❖ EU – Horizon 2020
    - ❖ US - NSF/ DOE (increase scope of core software activities)
- ❑ Organise activities in work packages
  - R&D studies
  - development infrastructure (tools etc.)
  - computing infrastructure (TechLab)
  - task forces to assist collaborations in ‘software campaigns’

- ❑ Next step is to discuss with partners in other HEP labs with core software teams
  - inviting comments, suggestions and to share ownership of initiative
- ❑ After that there will be a 1 ½ day meeting to discuss details
  - April 3/ 4 (same week as the Concurrency Forum Workshop)
- ❑ Suggestion to hold follow-up meeting in another HEP lab later in year
  - finalise governance model
  - possibility for funding agencies to send representatives



# Meetings in coming months

- ❑ **January 20/ 24** – Geant V meeting in Fermilab (FC, SW, JA)
- ❑ **January 21** – HEPMC mini workshop
- ❑ **January 22** – First Meta libm project meeting in Lyon
- ❑ **February 17** – AIDA meeting on Horizon 2020
- ❑ **March 18/ 19** - LPCC workshop on Simulation Validation
  - **NB: preparatory meeting this Wednesday – are we ready for this?**