DOMA Access next steps - personal view

- We did provide evidence of:
  - Benefits of XCache for latency hiding
  - Data access patterns show room for improvement for data placement/deletion strategies

  ➡ This provided enough proof to perform further studies on new concepts of “T2-like” sites based on XCache (site level, regional level, etc.)
- We did provide possible future models for computing in HL-LHC: evolve, invert, datalake
- Real deployments backed up our ideas: LMU, Italy, etc.

- Now we **need to provide figures** on what these models imply for a site
- I propose to:
  - **Focus and actively follow** the different national initiatives in Europe: UK, IT, FR, ES, DE and US
  - Follow High-End Hardware XCache deployments: SDSC and UC
    - We do need to **get involved** (at least I am interested) at the technical level on these initiatives
    - What will be the **benefits**?
      - The sites (or the responsible of the initiative) will **themselves report** in our meetings.
      - They will be able to **provide answers** to the questions people from the sites are asking themselves when they listen to us:
        - With the size of my site and the network connections I have, what should I do? Remote I/O? XCache only? XCache in top of my storage?
        - Will I save operational costs? How much?
        - Will I save hardware costs? How much?
        - Does this setup worked well for my T2 local-user community?
        - How hard it was to deploy XCache?
        - Was the experiment receptive/helping with my tests?
        - <your question here>
  - Continue with XCache stress testing (stability)
  - Organise training for XCache deployment
  - **Strength bindings with Cost Modelling** (to estimate $$$ tag)
  - Keep on working on the emulations, simulations