

Ireland in CERN (finally!)

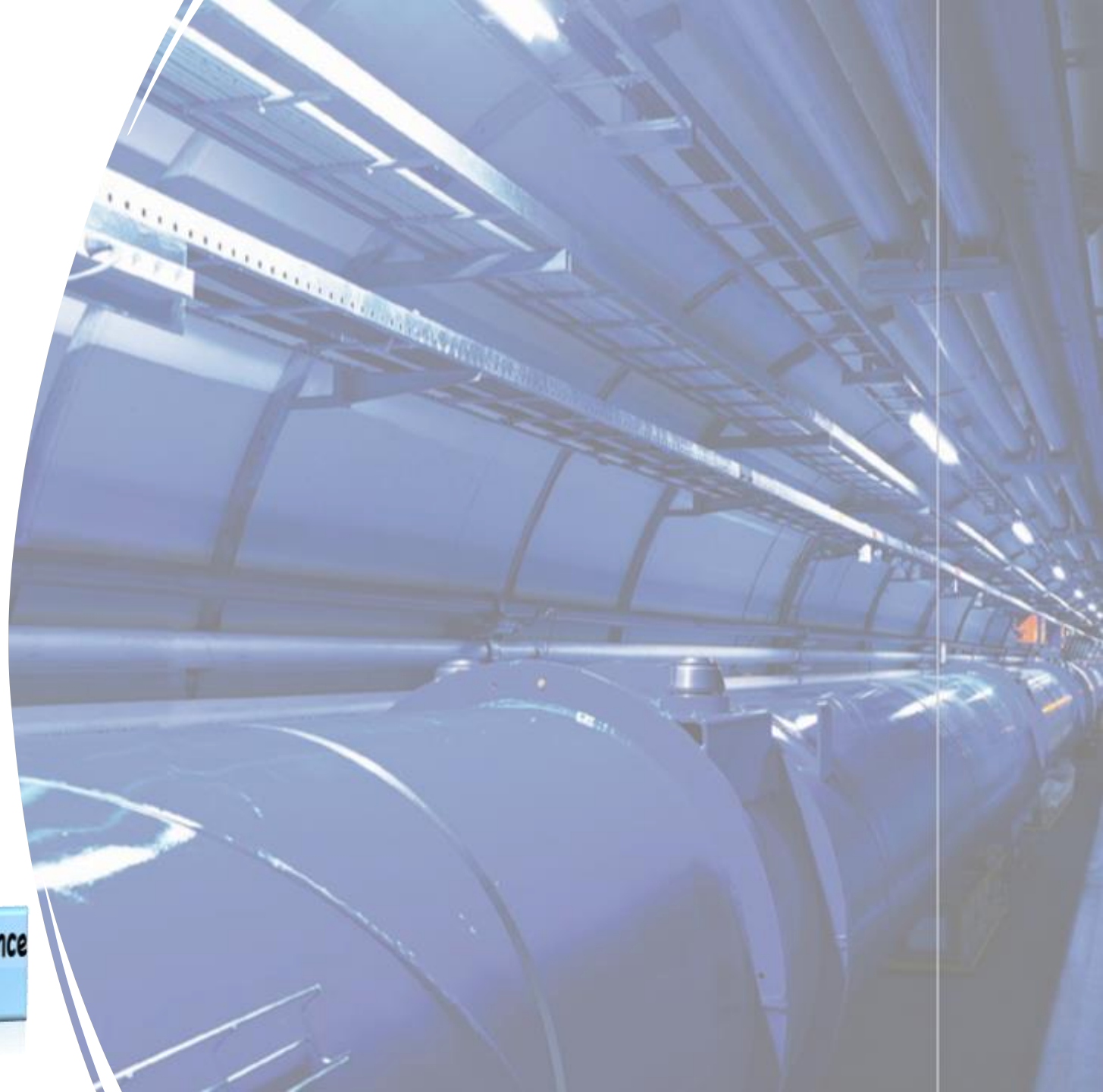
Sinéad M. Ryan

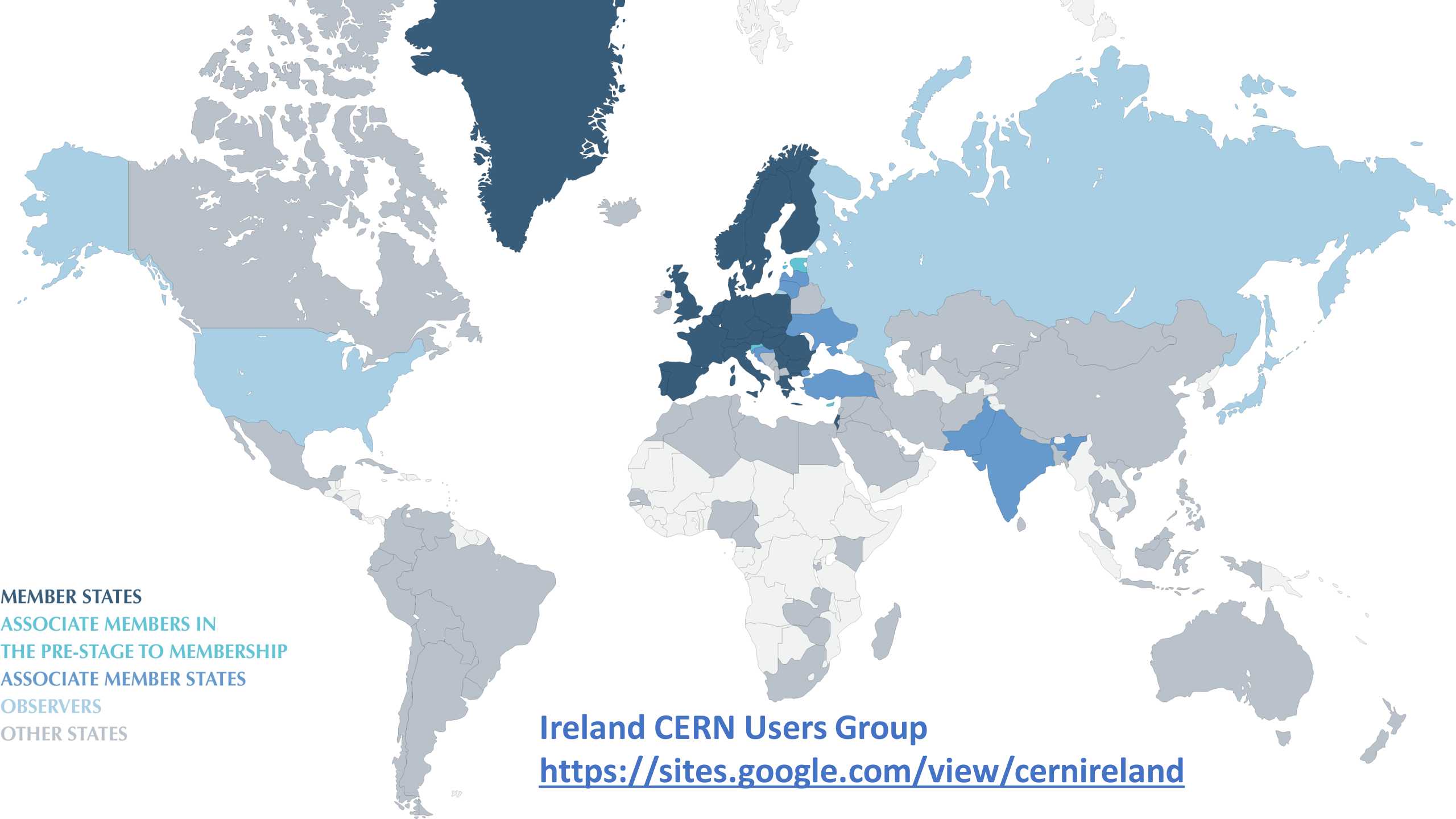
Trinity College Dublin

&

Co-chair CERN-Ireland Users Group

Cosmology, Astrophysics, Theory and Collider Higgs 2024 conference
(CATCH22+2)





MEMBER STATES
**ASSOCIATE MEMBERS IN
THE PRE-STAGE TO MEMBERSHIP**
ASSOCIATE MEMBER STATES
OBSERVERS
OTHER STATES

Ireland CERN Users Group
<https://sites.google.com/view/cernireland>

Nevertheless: a long history in theory & experiment



From literature to science

*Three **quarks** for Muster Mark!
Sure he hasn't got much of a bark
And sure any he has it's all beside
the mark.*

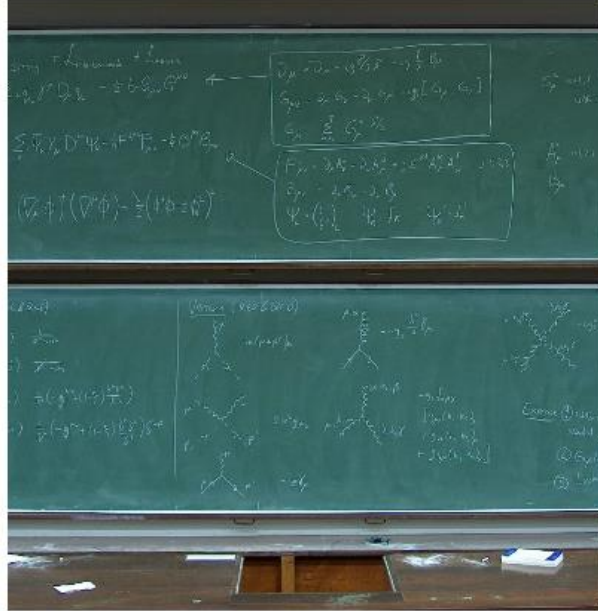
*But O, Wreneagle Almighty,
wouldn't un be a sky of a lark
To see that old buzzard whooping
about for uns shirt in the dark
And he hunting round for
uns speckled trousers around by
Palmerstown Park?*



Today's involvement



Experimental Physics



Theoretical Physics



Computer Science

Lattice QCD
QFT & BSM
Scattering/Amplitudes
String Theory

@LHCb
@CMS



Materials



Health



Engineering

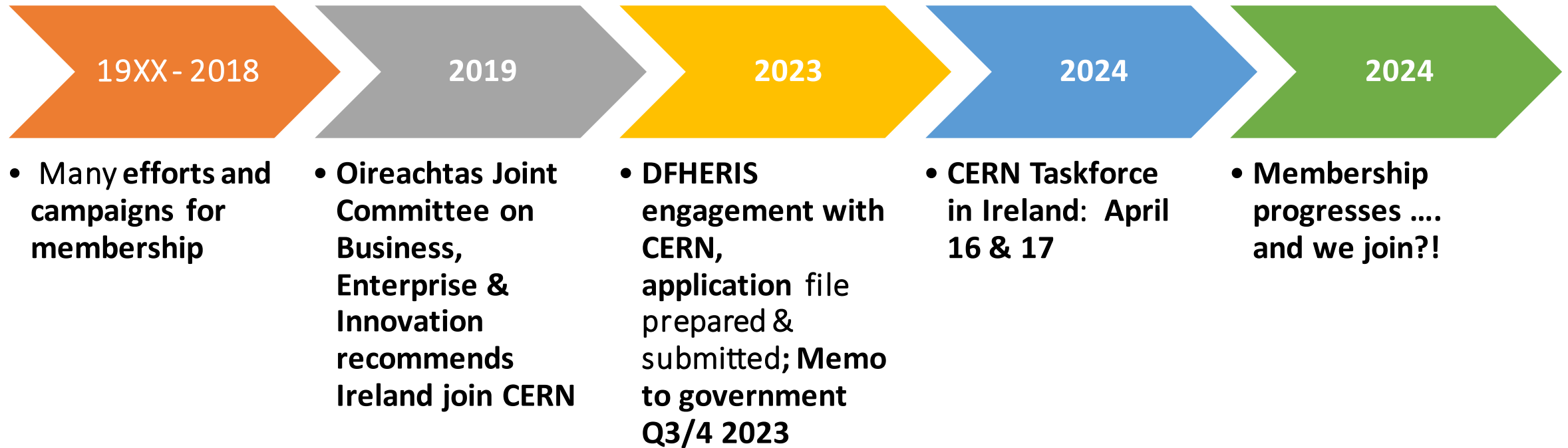
Strategy, opportunity, cost



- Full: €15M/yr. + once off joining cost
- Associate: from ~ €1.6M/yr.
- **Build capacity starting from Associate and review after ~ 3 – 5 years**

A national CERN strategy in development, led by DFHERIS (Government)

The road to membership



<https://sites.google.com/view/cernireland>



*Thanks for listening
&
See you at CERN!*