

Children Book enhanced with AR - Augmented Reality

Sharmazanashvili George / GTU - Georgian Technical University

Michael Hoch, Christine Morrow, Tom McCauley, Ketevan Mirziashvili

Georgian Technical Team in collaboration with Georgian Technical University & ATLAS



GEORGIAN TECHNICAL UNIVERSITY
GTU
SCIENTIA POTENTIA EST

19th IPPOG meeting - May 2020

INTRODUCTION

- ▶ About the book

Lisa & Max a journey for discovery



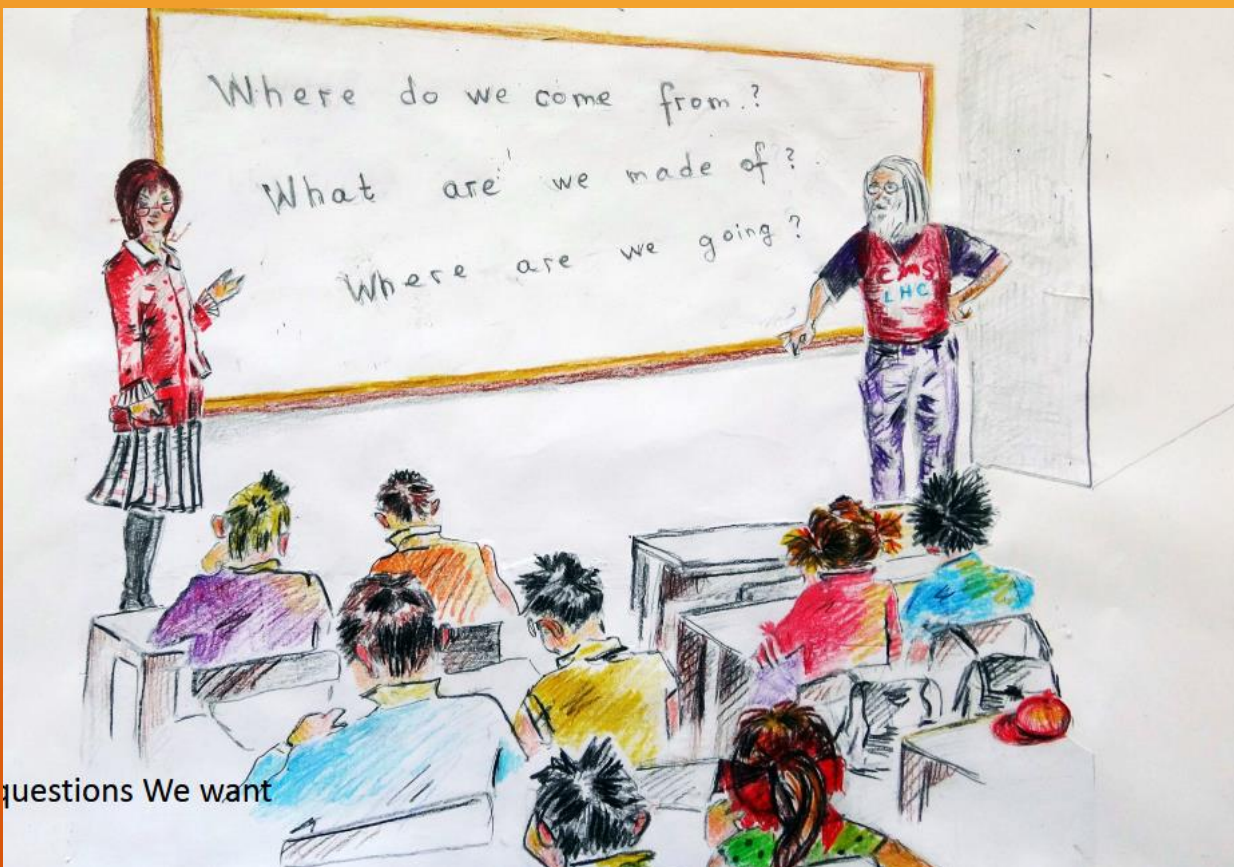
A children picture Book how they discover the Cosmos

Drawings by Keti Mirziashvili Story by Michael Hoch

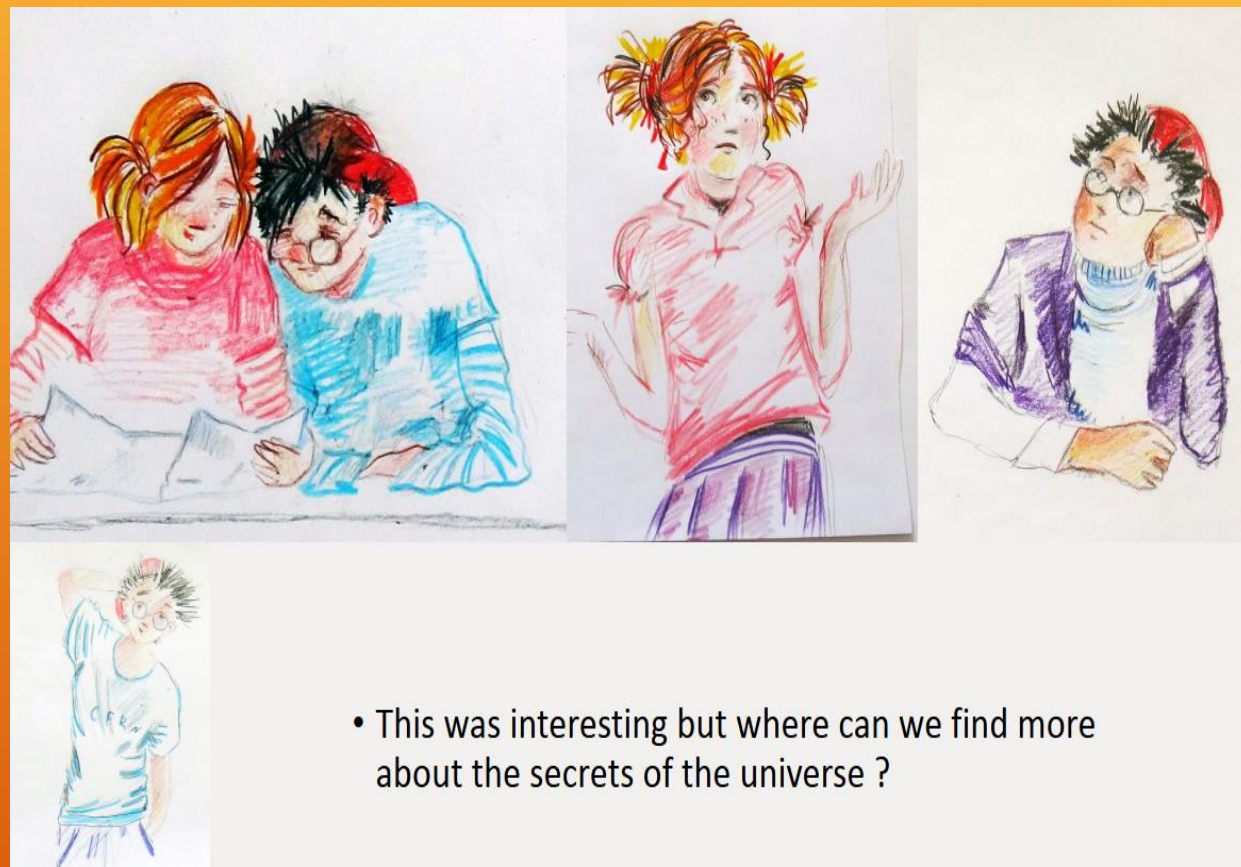
CMS week 22. June 2017

ketevan.mirziashvili@cern.ch

► Story of the book

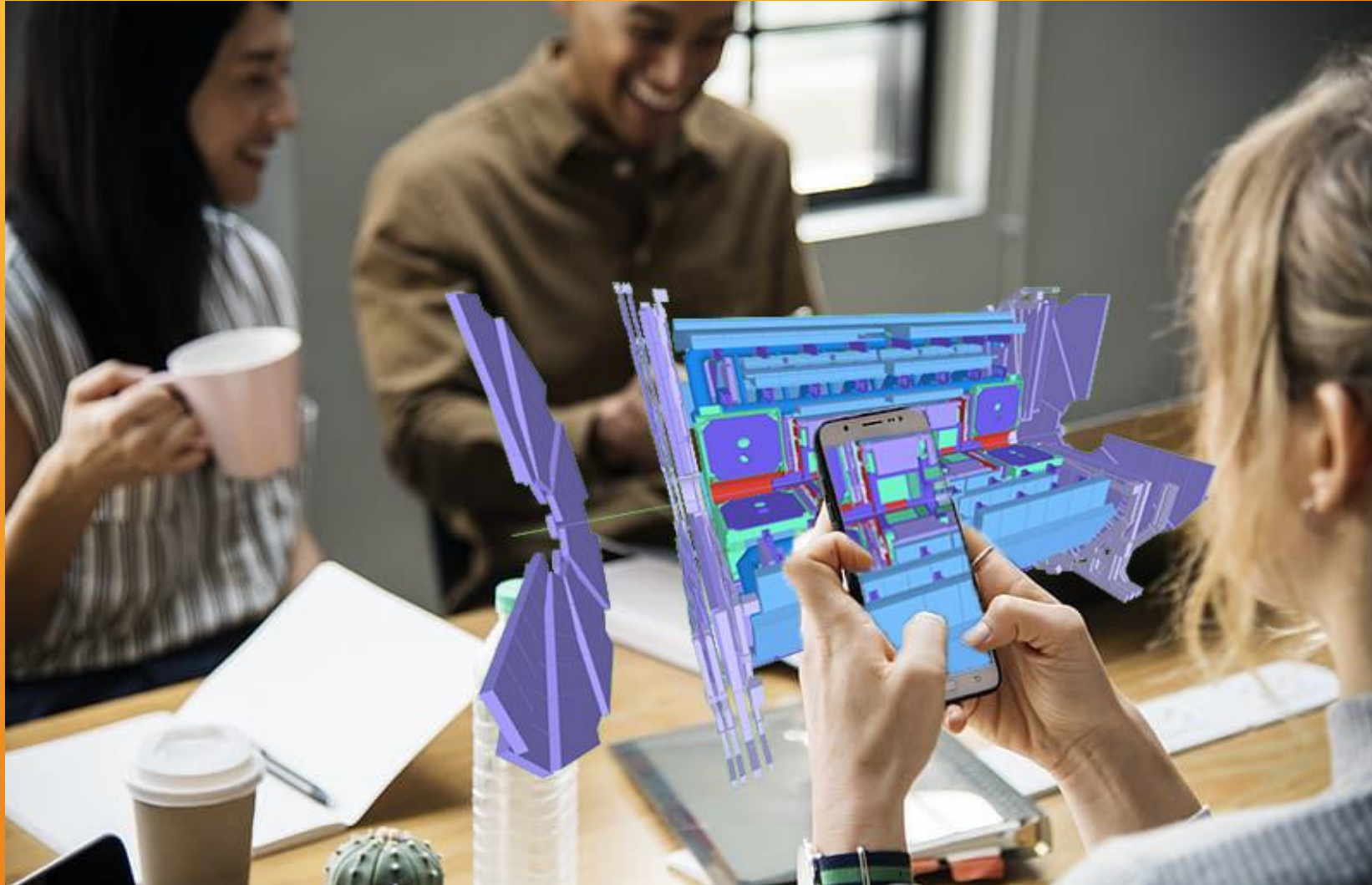


questions We want



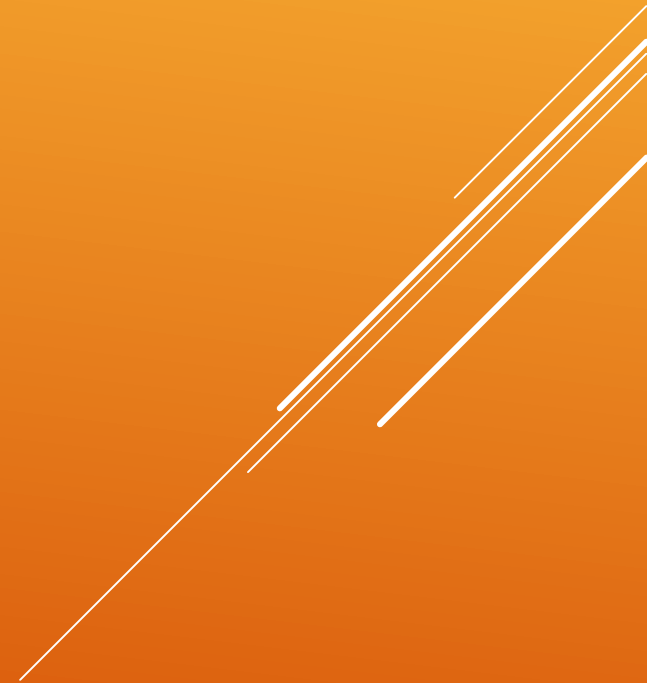
- This was interesting but where can we find more about the secrets of the universe ?

▶ Augmented Reality Application

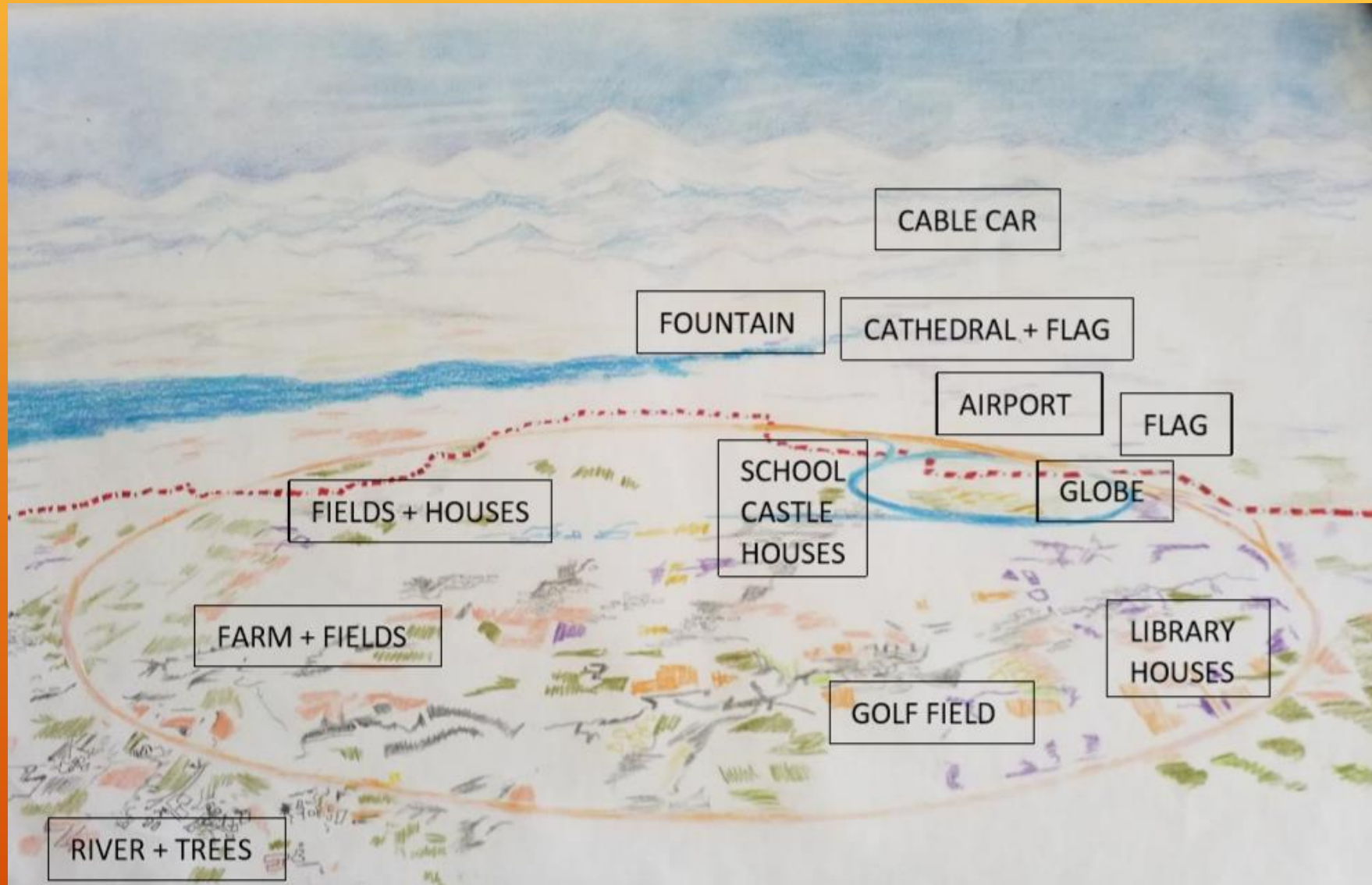


SCENE 1

- ▶ Purpose : Display an aerial view of the region where the experiment takes place with the possibility to zoom on Cern's infrastructure



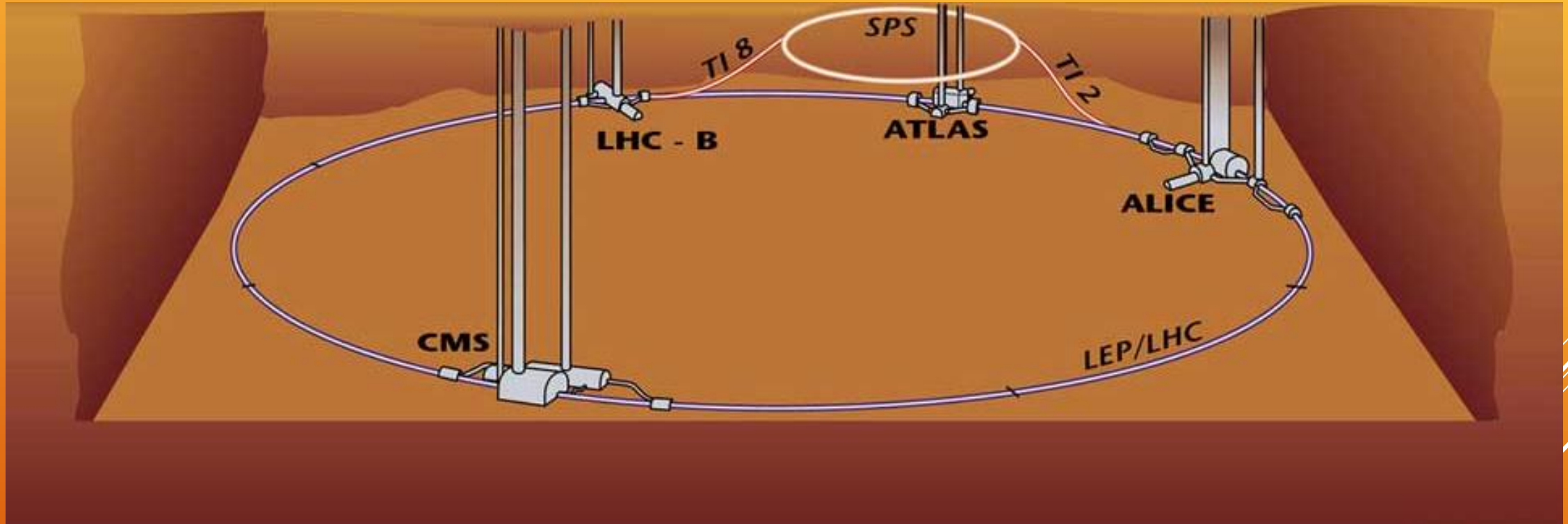
TYPOLOGY – Scene 1



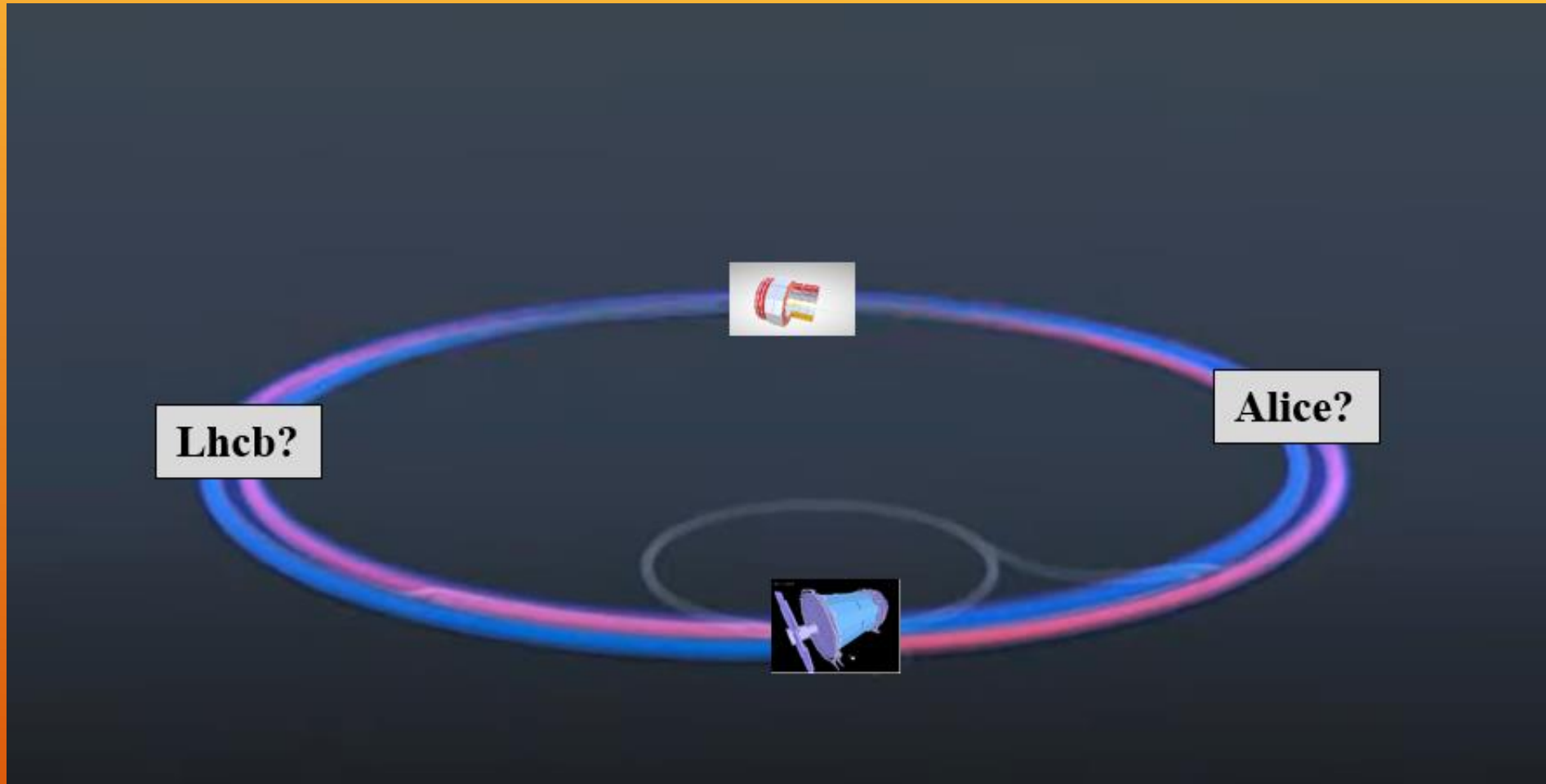
Current draft from K. Mirziashvili – Scene 1



ILLUSTRATION (outside of LHC) – Scene 2

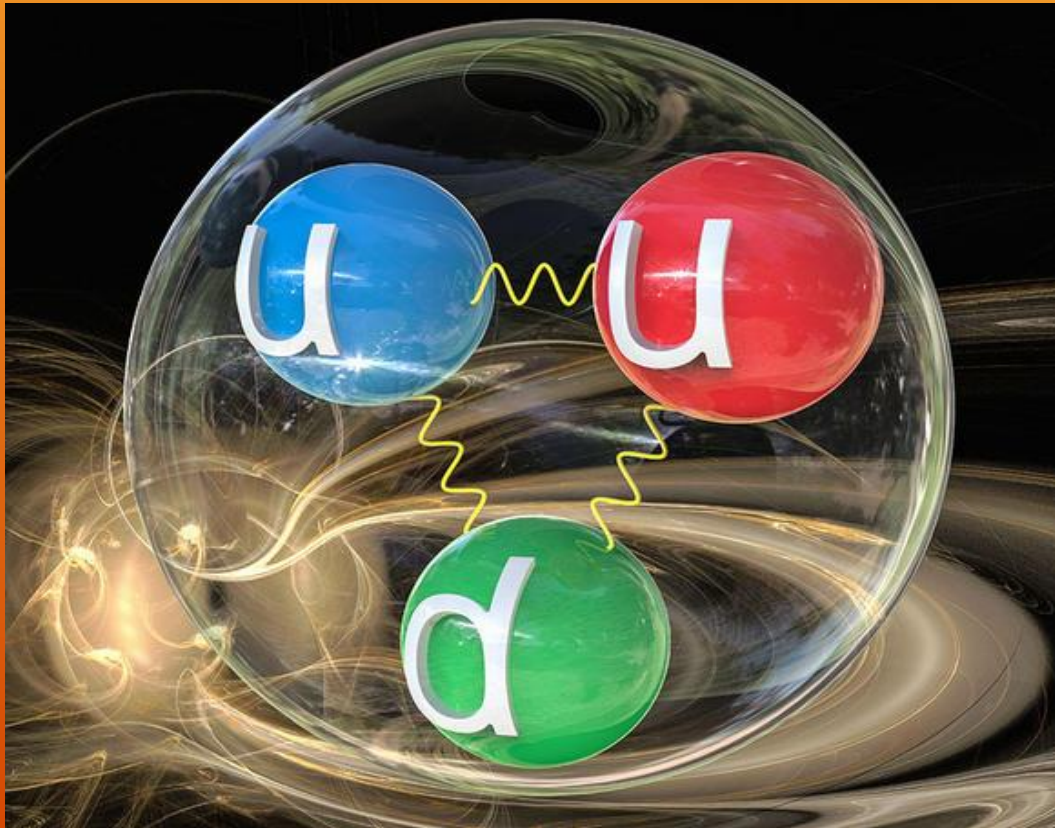


3D model (inside of LHC) – Scene 2



SCENE 3 – 3D MODEL WITH ANIMATION

- ▶ Purpose : Display what is happening inside of those pipes, at the scale of particles



THANK YOU FOR YOUR ATTENTION

Several parallel yellow lines of varying lengths and thicknesses are positioned on the right side of the slide, extending from the top right towards the bottom right.

In case of questions please contact: Giorgi Sharmazanashvili <giorgi.sharmazanashvili@cern.ch>