



The **PLANETERRELLA**  
The polar light simulator

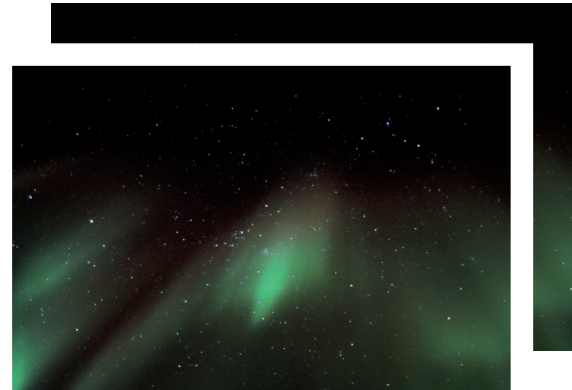


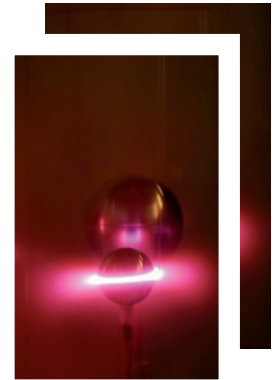
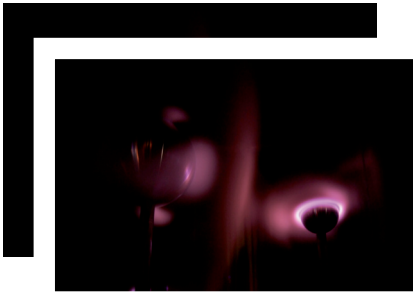
The Sun produces a continuous flow of electric particles : the “solar wind” which is visible around the star as the “solar corona”... with amazing structures that show a complex, dynamic magnetic environment.

Entering the Earth atmosphere, the solar wind produces the fascinating polar lights witnessing the solar activity’s influence on our space environment.

**Polar lights** exist on all planets having an atmosphere and a magnetic field. Few are emitting visible light though. And their configurations are very different.

Jupiter, Saturn, Uranus, Neptune, certainly some exoplanets and of course... The Earth.





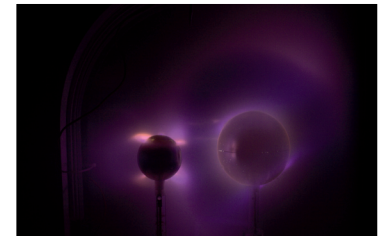
Many of these features can be seen with this simple demonstrator.

The Planeterrella was inspired by Birkeland's Terrella at the eve of the XX<sup>th</sup> century.

Yet, it is much more powerful.

Come and see the polar lights, the auroral ovals, the radiation belts, the corona, the coronal holes, the interactions between magnetized bodies.

Watch the stellar wind flow around the planets.





## WELCOME IN THE WORLD OF THE PLANETERRELLA !

Build your own.

Make the public dream while learning to understanding the space environment and the solar activity.

The plans of the Planeterrella and mounting instructions are given freely to any public / educational institution (school, college, university, museum...).

Several copies are already operational.

<http://planeterrella.obs.ujf-grenoble.fr/>