

# Fourth Euro-VO Technology Forum

## WP6



## Theory into the VO

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# Summary of WP6-Theory



The following points are in phase of developing:

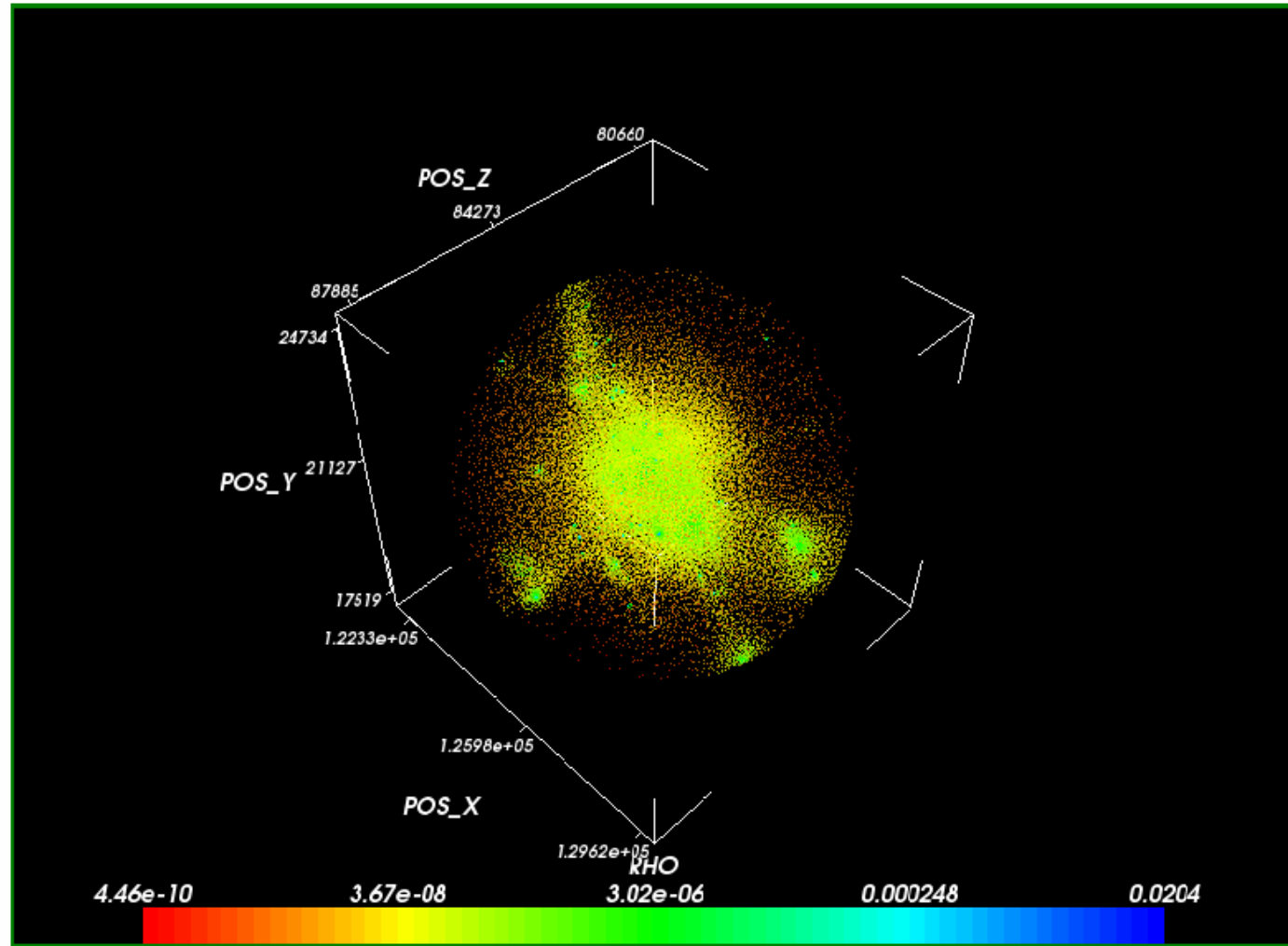
- during IVOA Strasburg Interop.:
  - tentative to bring together S3 and SimDAP, but micro-sim need recursive calls client/server for some services that SimDAP doesn't support;
  - Decision to split SimDB: DM + TAP extantion;
- Evolution of graphics using STILTS for microsimulations;
- Agree on required and optional services operation;
- Installation of VisIVOWeb and VisIVOServer in Trieste;
- Implementation of 3-D view using VisIVOServer for simulated galaxy clusters;
- The VisIVO call for preview could be transform in a SimDAP protocol call;

### 3D VisIVOServer cluster Preview

Preview of cluster positions. Distances are kpc. Images are generated at user request using [VisIVOServer](#) (developed at INAF-OACT).

Click on "GAS", "HALO" and "STARS" labels to display each of the components of the cluster.  
 "HALO" and "STARS" previews consist of simple positions, while "GAS" particles are displayed with colour coded density.

Cluster ID: 21518 - redshift: 0.2



# Summary of WP6-Theory



- New implementation of S3 by SVO for seismic Models, this contains the evolutionary codes CESAM and CESAM2K and two oscillation codes: GraCo and FILOU CESAM evolutionary code, see

<http://svo.laeff.inta.es/theory/s3if/>

and then writing the url:

<http://svo.laeff.inta.es/theory/newsism/s3p.php>

# Planes



- Test for checking if SimDB contains all the classes also for micro-sim.(Carlos&Miguel/Mirelle) ?;
- 1<sup>st</sup> draft of SimDAP ;
- S3 Protocol note;
- Other implementation using VisIVO Server and VisIVO Web;
- Prototype VOTable to test with VisIVO
- SAMP for VisIVO?

# Acknowledgement



Thanks to all the theory working group