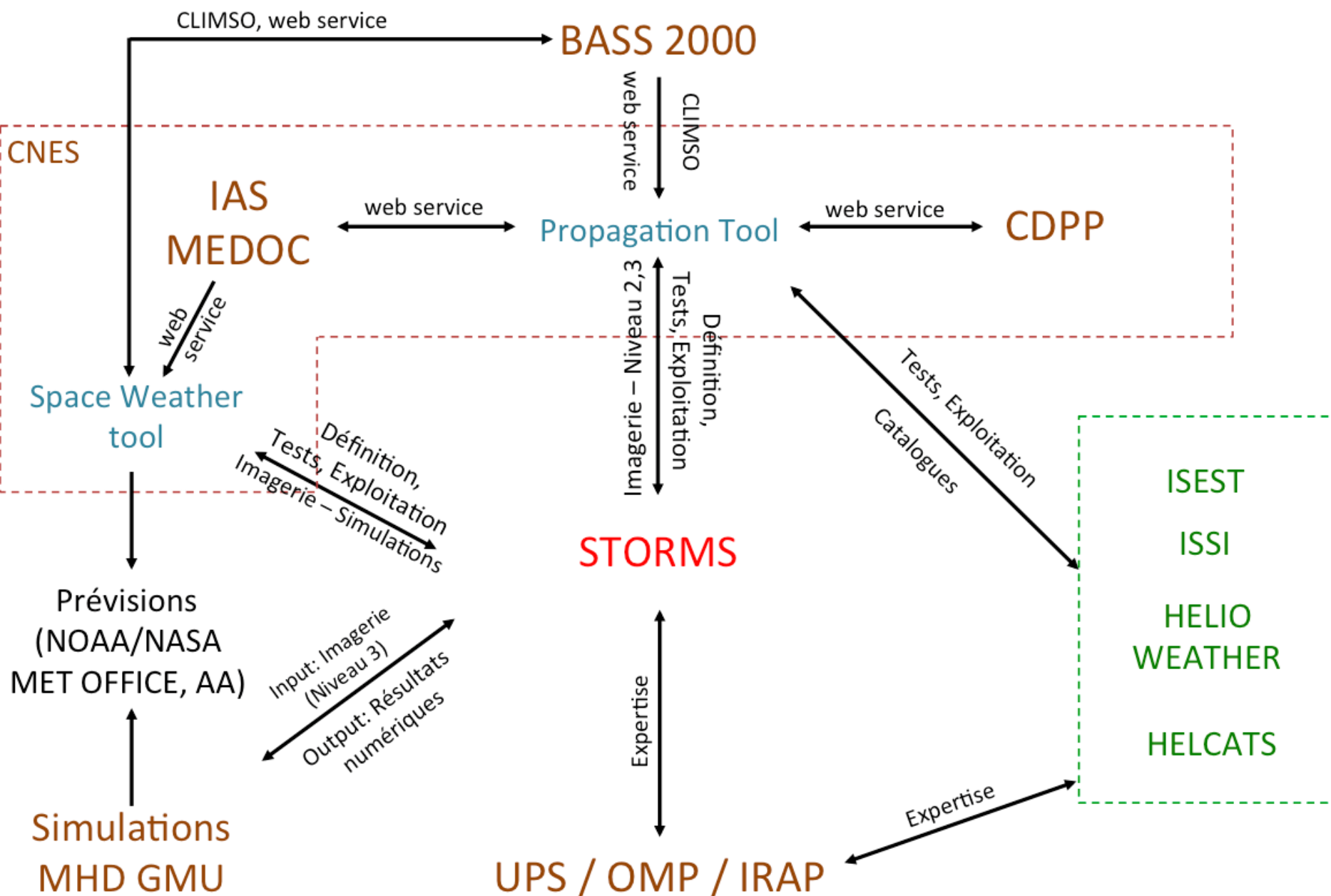


T8- Dissemination of catalogues

- D8.7 : Create a web-service between UKSSDC and the already existing IRAP propagation tool. This tool will provide access to the CME/CIR catalogues (from WP3 and WP5) and will offer an additional platform to help scientists access and manipulate catalogues developed in this project. Integrate the newly calibrated HI J-maps to the propagation tool. Including access to pre-generated time-elongation profiles for specific CMEs/CIRs or permitting users to extract profiles by clicking on J-maps. [month 36]
- D8.8 : Store the most accurate Carrington maps of solar wind speed at UKSSDC and integrate these maps in the IRAP propagation tool. Upon completion of the IRAP propagation tool, the interface will offer direct visualization of Carrington maps; integrating the Carrington maps calibrated in this proposal will be straightforward. [month 36]



CDPP: French data center for in situ plasma data: [CNES funded](#)

Scientific director: Vincent Génot

CDPP Tools:

AMDA:

- provides access to the CDPP data
- web-based data-mining tool (calculations, superposed epoch analysis, etc...)
- provides access to catalogues (e.g. CMEs (Wind/ACE))

3-D view:

- Orbital visualisation tool

TREPS:

- Coordinate transformation tool (e.g. transform GSE data into GSM data)

STORMS: Solar-Terrestrial ObseRvations and Modeling Service

Space-Weather Service recognised as a national service by CNRS (INSU)

Leader: Alexis Rouillard

CDPP/STORMS tools: [CNES funded](#)

Propagation Tool:

- idea formulated by IRAP for the HELIO project (deliverable), developed David Perez-Suarez
- CDPP propagation tool was funded by CNES, tool developed around exploiting HI J-maps

Space Weather Tool:

- Tool developed around Kunkel-Chen theory of CME eruption and propagation (magnetically-driven acceleration).