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The ?SPECS-EUPORIAS Data Portal does not intent to provide full access to the different seasonal forecasting datasets, but only to a reduced number of variables (typically at surface; e.g. precipitation and temperature) required by the different impact applications. Thus, a key task for the development of the portal is identifying those variables relevant for the different activities, as well as the particular temporal frequencies (e.g. daily or monthly) and aggregation (e.g. instantaneous, daily means, daily maximum, etc.) needed.

In order to identify the variables needed for both EUPORIAS and SPECS projects, several cross-sectional actions are being conducted in order to obtain the required feedback from end users (either by contacting the different work packages or by consulting project documents). Moreover, the precise definition and homogeneization of these variables across different datasets is of utmost importance for the development of a truly user-friendly tool for end users.

The different activities under development towards an integrated, user-friendly framework for data access are summarized in the following sections:

Identification of the variables needed: The following WPs of EUPORIAS and SPECS are expected to provide some relevant feedback for the identification of the variables required by end user's:

- **EUPORIAS WP12** (*Assessment of users' needs*) is devoted to the assessment of users' needs. The recent Report on findings on S2D users? needs from workshop with meteorological organisations ?(D12.2) presents a literature review whose aim is to provide an overall understanding of the current state of the use of S2D climate and climate impacts predictions across European sectors.
- **EUPORIAS WP22** (*Impact relevant climate information indices*). In this WP a user-targeted collection of climate impact indicators (CIIs) will be generated for their application in current and future climate conditions. A preliminary set of CIIs? was provided in Milestone 19. A note on the temporal aggregation of input variables for CII computation is given here?.
- **EUPORIAS WP23** (*Impact models for impact predictions*) aims to further develop the complex impact models able to address the users? needs and inform the case studies and the prototypes. The activities in order to identify user's requirements to run the impact models are currently on going?.
- ?SPECS WP61 (*Pilot applications*). The main objective of this WP is to provide evidence of the increased usefulness of the climate predictions performed in SPECS's RT3 and RT4 and made available from RT5 by applying them to predicting agricultural yield and renewable energy generation and involving a set of relevant stakeholders.

1. **Data Homogeneization:** The different nature of the various climate products, models and variables, and the idiosyncratic naming and storage conventions often applied by the modelling centres, makes necessary a previous homogeneization across datasets in order to implement a truly user-friendly toolbox for data access. To this aim, a R package? for data access is currently under development. Data homogeneization is achieved through the creation of a common vocabulary. The particular variables of each dataset are then translated -and transformed if necessary- into the common vocabulary by means of a *dictionary*. Both features -vocabulary and dictionary- are described here?.