

Actions



DAFNE

Single options for intervention in the system (e.g., the construction of a new dam or irrigation canal, the imposition of an environmental flow in a specific river stretch) that are expected to lead to the achievement of a pre-defined goal (e.g., water, energy, food security)

Described by:

- Id – *unique identifier*
- Title – *short name of the action*
- Description – *text with brief description*
- Issues - *Reference to one or more issue code in the ISSUES list*
- Country – *nation where the action takes place*
- Status - *implementation stage (e.g. proposal, planned, under construction, ...)*
- Expected timing - *Year or period of expected completion of the action*
- DAFNE - *Action considered in the DAFNE project or not*
- Location / Spatial reference - *position on the map*
- Attachment - *technical documents with information needed to implement models representing the action.*
- Type - *action type (e.g. new hydropower plant, enlargement of irrigation scheme, ...)*
- Features - *Key features defining the action, suitable to be used for (geo)graphical representation (e.g. power capacity of hydropower plant, irrigated hectares of irrigation schemes, ...). Features can be different for each action Type.*
- Notes



Indicators



DAFNE

Functional of the simulated trajectories of the relevant model variables (such as water level in a specific river section, water flow in an irrigation canal, water flow through turbines in a hydro-power plant), targeted to assess impacts on a specific sector, resulting from a given pathway.

Described by:

- Id – *unique identifier*
- Short description – *Brief description of the indicator*
- Issues - *Reference to one or more issue code in the Issues list*
- Spatial extent - *Spatial domain for indicator computation (e.g. River basin, country, district, power plant/wetland/irrigation district)*
- Unit of measurement
- Strategic or Detailed model - *To be computed with the DAF (strategic), WEF integrated model (detailed) or both*
- DAFNE - *To be considered in the project or not?*
- Location / Spatial reference - *position on the map*
- Temporal aggregation - *Temporal domain and statistics used in the indicator formulation (e.g.: sum/max/min/average over the time horizon/yearly/monthly)*
- Formula - *Mathematical formulation*
- Definition - *Formal definition of the indicator*
- Data required - *Data/parameters needed for computing the indicator that are not provided directly by a model*
- Model required - *Models required to compute the indicator*
- Notes

