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- **white'R Green Labelling Methodology**

Dear Subscriber,

white'R is ongoing, producing the first deliverables. In this number we are presenting the Green Label Methodology which will be used to demonstrate the environmental performance of white'R island, at the end of the project.

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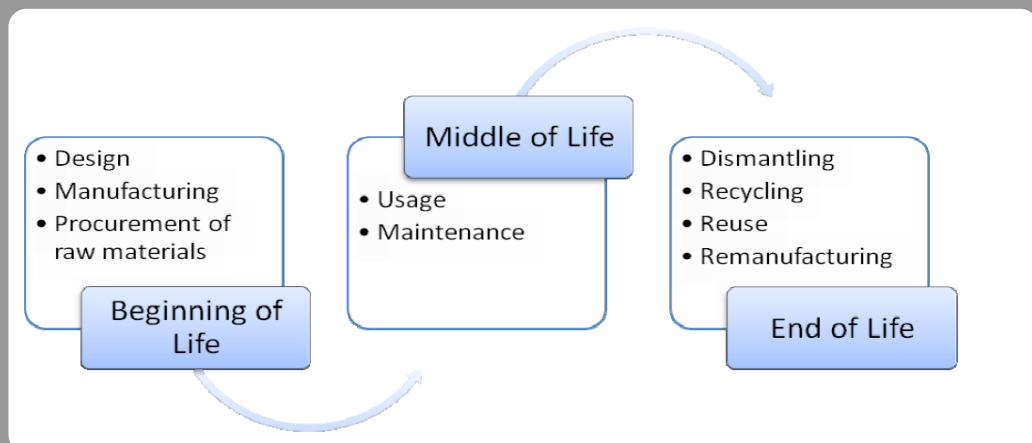
A “**Green Labelling Methodology**”, based on the general principles from ISO14020 Environmental labels and declarations has been defined.

The “**white'R Green Labelling Methodology**” is divided into 8 steps:

1. **Product Description** for white'R Island: bill of materials
2. white'R island **lifecycle description**
3. **Preliminary prediction of white'R KPIs** on lifecycle basis
4. Choice between **mono/multi criteria** and **third party/self-certificate** Eco label
5. **Assessment of white'R KPIs** relevant to criteria selected under step4, basing on Best Available Technologies
6. Scenario selection and white'R island **optimization**, including Best not yet Available Technologies, **to maximise KPIs**
7. (self) **Certification of environmental performance**
8. Achievement/publication of **white'R Green Label**

At this stage of the project (month 10) the procedure leaves open the choice among three different kind of label:

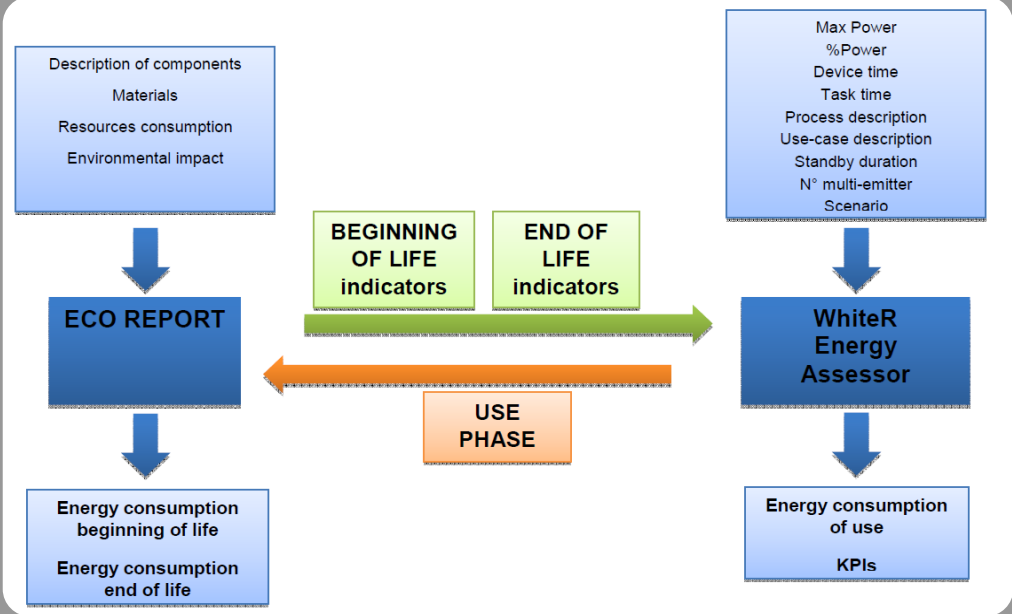
- type I (ISO 14024): a voluntary multicriteria scheme certified by a third party,
- type II (ISO 14021) a self-certificate single-criteria program and
- type III (ISO 14025), a third party program based on Life Cycle Assessment (LCA).



White'R Green labelling procedure covers the whole lifecycle of the machine

To ease the exchange of information a “**white’R Energy Assessor Tool**” has been setup in the form of a MS Excel spreadsheet, including, customised for both the industrial use cases (multi-emitter diodes and PV panels) white’R bill of materials, bill of process, KPIs, scenarios, also implementing the MEErP EcoReport Tool 2011 made available by the European Commission in the framework of the EcoDesign directive.

Finally all the relevant public material has been filed in project repository to form a “**Green Labelling Library**” for future consultation, including MEErP complete Guide, EuPlot5 complete final report, PEF complete Guide, ISO 14020, ISO 14021, ISO 14024, ISO 14025, ISO 14044, ISO 14955-1



Architecture of the white’R Energy Assessor Tool

white’R Consortium

