INTRODUCING DG GROW'S STUDY ON ESTABLISHING AN ECODESIGN "POINTS BASED" METHOD FOR SETTING GENERIC ECODESIGN REQUIREMENTS

1st Stakeholder meeting - June 30th 2016, Brussels

BACKGROUND

Origins of the project

- Commission (DG GROW) issued a call within the multi-framework contract 409/PP/2014 Lot 2 in September 2015
- Tender called for bids on a:

  "technical assistance study for the assessment of the feasibility of using "points system" methods in the implementation of Ecodesign Directive (2009/125/EC)"
- Work begun in 2016 with a kick-off meeting between the consultants and the Commission

van holsteijn en kemna research - design - engineering

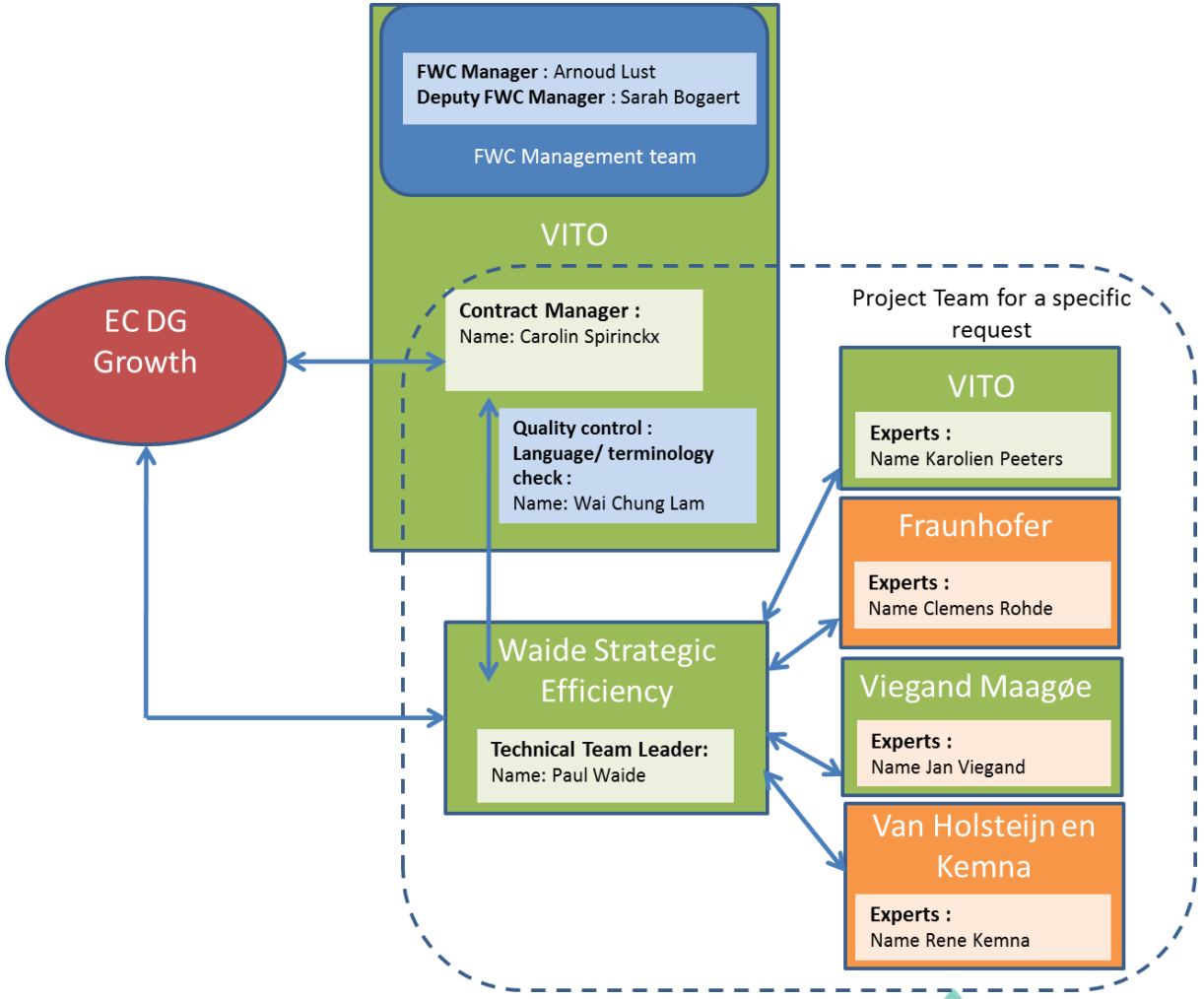
Waide Strategic Efficiency

Fraunhofer

viegand maagøe energy people

vito

PROJECT TEAM



van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

vito

PROJECT WEBSITE

Details of the project can be found at:

http://www.points-system.eu

van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

vito

AIMS AND APPROACH

Broad summary

- Objective – to develop and verify one or more methodologies that could be used to set Ecodesign requirements for complex products
- Approach is to compile, classify and assess existing literature on points-based methods and other relevant methods that could be applied for this purpose
- Develop the best methodology or methodologies based on this assessment
- Test the viability through two case studies for complex products

van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

vito

AIMS AND APPROACH – SOME CONSIDERATIONS

Product systems:

- are complex in that they may have more than one functional unit (i.e. the quantified performance of a product system for use as a reference unit in a life cycle assessment study) due to the variety of functions the product is capable of performing
- the functional units may be inherently difficult to assess due to measurement or methodological difficulties
- it common for the product groups concerned to have varying degrees of heterogeneity that complicate their assessment against common metrics and measurement methods
- however, as savings potentials from the adoption of appropriate Ecodesign technologies can be significant, and these technologies are theoretically capable of being assessed on a modular basis, the Commission is interested in evaluating whether it is feasible to devise an assessment methodology for product systems comprised of technology/design modules that considers the ensemble of modular technologies deployed

van holsteijn en kemna research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe energy people

vito

AIMS AND APPROACH – SOME CONSIDERATIONS

A "Points systems" approach

- was first explored within the Ecodesign process in the case of machine tools within a working document put forward by the Commission at the May 2014 Consultation Forum
- this proposed one potential Ecodesign assessment option based round a points systems approach
- discussion highlighted the potential of this notion but also the need to explore options in greater depth and to produce a rationale that will allow the most viable approach to be identified and its strengths and limitations to be assessed

van holsteijn en kemna research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe energy people

vito

AIMS AND APPROACH – SOME CONSIDERATIONS

Examples of some of the options to be explored:

- Adaptation of points system à la BREEAM/LEED
- Life Cycle Assessment method (*Selection of impact categories*, category indicators and characterisation models; *classification*: assignment of inventory data to impact categories; *characterisation*: calculation of category indicator results; *normalisation*: calculating the magnitude of the category indicator results relative to a chosen reference information dataset; *grouping*: sorting and possibly ranking of the impact categories; *weighting*)
- E.g. Product Environmental Footprint (PEF)

van holsteijn en kemna research - design - engineering

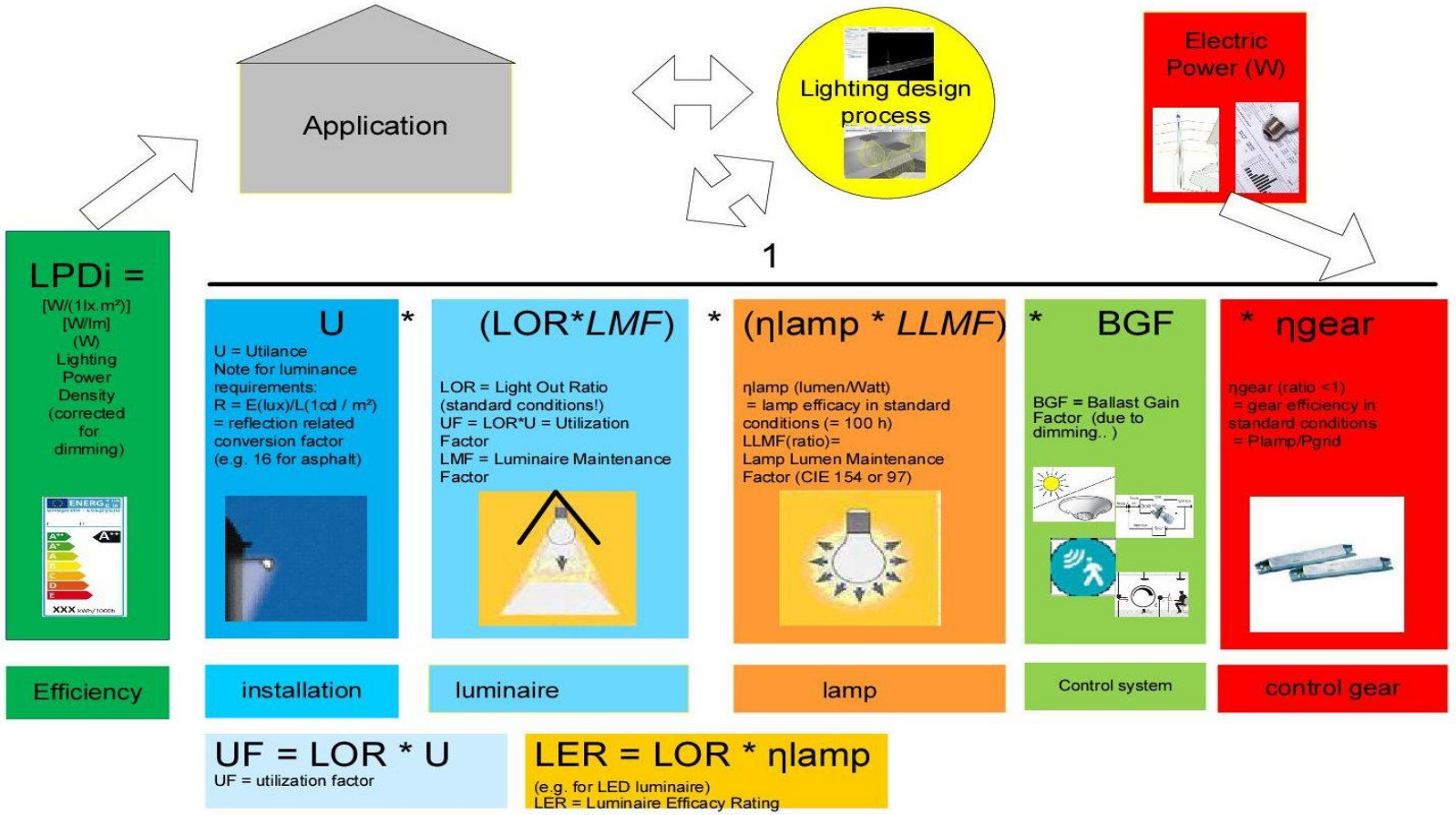
Waide Strategic Efficiency

Fraunhofer

viegand maagøe energy people

vito

AIMS AND APPROACH – LOT37 LIGHTING SYSTEMS (ON-GOING)



van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

vito

DIFFERENT TASKS

0. • Inception phase - kick-off
1. • Task 1 – Stakeholder Consultation
2. • Task 2 – State of the Art Methods
3. • Task 3 – Method development
4. • Task 4 – Case studies

van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

vito

TASK 2 - APPRAISAL METHODOLOGY FOR COMPLEX PRODUCTS

Prospective methods will be assessed against key performance criteria:

- » Effectiveness
- » Accuracy
- » Reproducibility
- » Enforceability
- » Transparency
- » Ease and readiness of application
- » Capacity to be implemented
- » Equitability

But also for:

- » compatibility with the MEErP process;
- » appropriateness and fit with the way of setting Ecodesign requirements
- » how they address resource efficiency aspects specified within Annex 1 Part 1 and Parts 2 and 3 of the Ecodesign Directive;
- » that the stated parameters are measureable via standards;
- » the appropriateness with which the stated parameters incorporate requirements that build upon existing Ecodesign requirements specified at the modular and component level (e.g. for motors and fans)

van holsteijn en kemna
research - design - engineering

Waide Strategic Efficiency

Fraunhofer

viegand maagøe
energy people

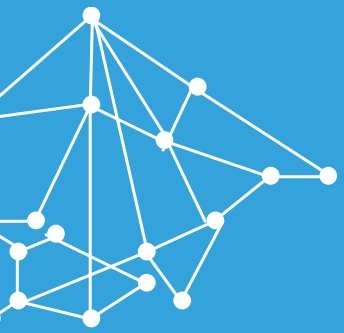
vito

PROJECT PLANNING

- Website up and running - done
- Stakeholder registration - done
- Draft Task 2 report issued - done
- First stakeholder meeting - June 30th
- Draft Task 3 report issued - date tbc
- Draft Task 4 report issued - date tbc
- Second stakeholder meeting - date tbc
- Study is to be concluded by end February 2017

1st Stakeholder meeting - June 30th 2016, Brussels

THANK YOU
FOR YOUR ATTENTION !



Waide Strategic Efficiency

vito

viegand maagøe
energy people

van holsteijn en kemna
research - design - engineering

Fraunhofer