



DISCERN Fourth External Workshop

The role of KPIs in evaluating Smart Grid Projects

Thursday 28th January 2016, Brussels

Objective:

The external DISCERN workshop will aim to discuss the findings and experiences (positive and negative) of using a KPI based approach for project evaluation with other Smart Grids projects in order to evaluate the level of applicability of KPIs for this purpose.

With feedback from project implementers, we hope to establish whether KPIs present a viable solution to analyse project performance and what has been learnt from their exploitation. To support the approach, we will review the use of KPIs to validate whether it is practical and realistic approach to determine if it is valid to extend the analytical approach to draw comparisons across projects.

Different fields of their applications (“types of use of KPIs”: regulation; research and academia; operations and business as usual) will be also share experiences and be considered during the workshop in order to develop an in-depth understanding as to the advantages and disadvantages of using KPIs to monitor the performance of Smart Grid Projects from these different perspectives.

The output of the workshop will be a set of recommendations based on the shared experiences and discussions, to determine if the KPI approach is valid for evaluating Smart Grid projects in the future. If so, what are the circumstances for which they may be most effectively used and how should they be usefully deployed.

Target Audience:

Relevant to all parties that are interested in scoping, creating, developing, structuring and using KPIs for performance monitoring and evaluation of existing projects, new projects or overall distribution network operation. This would include (but not be limited too):

- Distribution system/network operators (including such roles as: operations, asset management, regulatory and research and innovation responsibilities);
- Academic and research institutes;
- Regulatory bodies and authorities;
- European development projects;
- Standardisation bodies, and
- Network asset vendors and developers.

**Approach:**

To provide an open platform to discuss and compare the effectiveness of different approaches adopted for monitoring performance (KPIs) of operational and research and development activities at different levels across DSOs networks.

A selected group of active users and researchers involved with performance monitoring using KPIs is invited to attend the workshop as we are aiming for a positive contribution from all attendees and wish to collect and share practical experience relating to KPI development, monitoring and use of their outputs.

Output:

We aim to complete the workshop with a well-defined output, by identifying the relevance of different KPIs under different circumstances and their suitability / applicability to aid robust analysis and interpretation of results. We would hope to better understand the experiences of using KPIs in relation for Smart Grid Projects. We will identify, what are the advantages, benefits, problems and issues found by the different participants in their application of using KPIs to analyse Smart Grid projects.



DRAFT Agenda

Location: Renaissance Brussels Hotel, Rue du Parnasse 19, Brussels 1050, Belgium

Date: Thursday 28th January 2016

Time	Activity	Responsible
10:00	Registration and coffee	
10:30	Introduction and Objectives of the workshop	DNV GL
	How KPIs are used in existing projects and what lessons have been learnt:	
10:40	<ul style="list-style-type: none"> • DISCERN project 	DNV GL
10:55	<ul style="list-style-type: none"> • DREAM 	Juanluis Garrote
11:10	<ul style="list-style-type: none"> • IDE4L 	Giovanni Massa
11:25	<ul style="list-style-type: none"> • UPGRID 	Ignacio Delgado Espinós
11:40	Question and answer session	
11:55	Break	
	Application of KPIs by different elements of the industry – the different purposes for which KPIs may be used to monitor and report performance of networks	
12:30	<ul style="list-style-type: none"> • Regulatory perspective – providing insight into the use of KPIs to monitor regulatory performance at network level 	Luca Lo Schiavo, Italian Regulatory Authority for Electricity Gas and Water (AEEGSI),
12:50	<ul style="list-style-type: none"> • Research and development – providing insight into the use of KPIs to monitor performance for R&D projects 	Rolf Apel, Siemens AG
13:10	<ul style="list-style-type: none"> • KPIs for Cost Benefit assessment - providing insight into the practical use of KPIs to evaluate the cost benefit of Smartgrid investments at DSOs 	Gareth Bissell, Enel
13:30	Lunch break	
14:30	Workshop session: The use, relevance and applicability of KPIs to industry stakeholders in reporting and understanding network performance	
15:30	Summary address	EU Project officer
15:50	Final discussion and closing remarks	DISCERN Technical coordinator
16:30	Meeting close	



Proposed Attendees:

Representatives from:

- EU projects involved with KPI design and deployment;
- Research institutes that actively research the use or development of KPIs (simulations and project deployment);
- Regulators or Research institutes that actively research the use of KPIs in regulatory analysis and country comparisons;
- EU project researchers who design KPI frameworks/standards, and
- DSOs that are active in the use of performance measures for project reviews.