

Evaluation of selected DSM activities in the framework of the IEA Implementing Agreement on DSM

In May 1994 the International Energy Agency (IEA) together with 14 member countries launched an Implementing Agreement to promote information transfer as well as joint research projects on Demand-Side Management (DSM). Austria is represented by the Austrian Association of Power Utilities (VEÖ) and takes part in two of the five tasks - Task IV "Development of improved methods for integrated DSM in utility resource planning" and the pilotphase of Task I "Establishing an international database for energy efficiency programs". On behalf of VEÖ, the Energieverwertungsagentur (E.V.A.) took part in the expert group of Task I during 1994/1995.



Objective of Task I is to establish an international database for energy efficiency programs (INDEEP) to save time and money in the phase of designing DSM programs by a quick transfer of information and know-how on DSM programs and their key factors like saved energy and load, costs, marketing efforts and name of contact person. This requires a careful evaluation of existing programs as well as a standardization of the data collected to ensure comparability.

The work of the Task-I expert group during the pilotphase was concentrated on three issues

- development of a workable, international usable data collection instrument
- undertaking of a field testing of the data collection instrument
- organization of a workshop with potential users of the data base to prove practicability and usefulness of the intended database

The US database DEEP (Database for energy efficiency programs), which was built on long-time experiences of DSM program evaluation, was taken as an example for INDEEP. To enable comparability the underlying data collection instrument was only slightly changed and modified for European conditions. Selected programs from Austria, Denmark, the Netherlands, Spain and Sweden were documented to test the data collection instrument. This field testing took place in summer and autumn 1994.

As Austrian contribution the "Aktion für Energiesparer" der SAFE, OKA´s metering program for heat pumps, the "Wärme-Direkt-Service" of the municipal utility of Salisbury, the pilotprogram of a load management program for SME of the Viennese utility Wiener Stadtwerke and its "Energiesparscheckaktion" have been documented. In most cases some effort was needed to gather the required data which was highly supported by the involved utilities.

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Altogether the filed testing showed that evaluation and documentation of the results and experiences of DSM programs varies a lot between utilities as well as between countries. As program evaluation is at the very beginning in Europe US-evaluation standards are currently not appropriate, partly they are too detailed and too costly.

As consequence of this experience the expert group decided to shorten the data collection instrument drastically from 16 pages to four pages. The outcome is concentrated to a few key factors and lays its attention to standardization of evaluation practices. In January 1995 this reduced questionnaire was discussed with potential users at a special workshop which was hosted by the Wiener Stadtwerke in Vienna. 40 representatives from utilities, research institutions, consulting firms and public administration supported the changes and voted for continuing to establish the database.

Concluding, it turned out as a proper decision to start Task I with a pilotphase. The taken choice of question and the time needed to complete it is a workable basis for the establishment of an international database. Having an exchange with potential users in this early stage of database thereby was especially valuable.

Except Austria all countries which participated in the pilotphase of Task I decided to proceed on building up INDEEP. For the next working year it is planned to focus on standardization of the terms used and on improvement of access and editing of data. Close cooperation with potential users is part of the next years work program as well.

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PROJECT-INFO

Projectname:

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Project-Manager:

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Verband der Elektrizitätswerke Österreichs (VEÖ)

PUBLICATIONS

- **"Evaluierung ausgewählter DSM-Aktivitäten"**
Endbericht über die Mitarbeit der E.V.A. in Annex I des IEA Implementing Agreements for Cooperation on Demand-Side Management Programmes and Technologies.
Im Auftrag des Verbands der Elektrizitätswerke Österreichs, E.V.A., Wien 1995.
- **"International DSM and DSM Program Evaluation: An INDEEP Assessment"**
E. Vine, "International DSM and DSM Program Evaluation: An INDEEP Assessment",
in: Energy, Vol. 21, No. 10, pp. 983-996, 1996
- **"INDEEP Annual Report (1994-1995)"**
E. Vine (1995), "INDEEP Annual Report (1994-1995)",
LBL-36876, UC-1322, Berkeley, CA.
- **"Implementing Agreement on Demand-Side Management Technologies and Programmes, Annual Report 1994 and 1995"**
International Energy Agency (IEA),
"Implementing Agreement on Demand-Side Management Technologies and Programmes,
Annual Report 1994 and 1995",
edited by NUTEK, Stockholm.

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