

Proposal for the continued development, application and support of Decision Support Environment after TRANSFORM project

Summary: the Decision Support Environment (DSE) is made available through AMS Solutions with support of Accenture & Macomi

Roles and responsibilities

Members (cities)

- Usage
- Data delivery
- Suggestions for improvement
- Co-development



- Registration & Billing
- Dissemination & Marketing
- Research
- Education for students



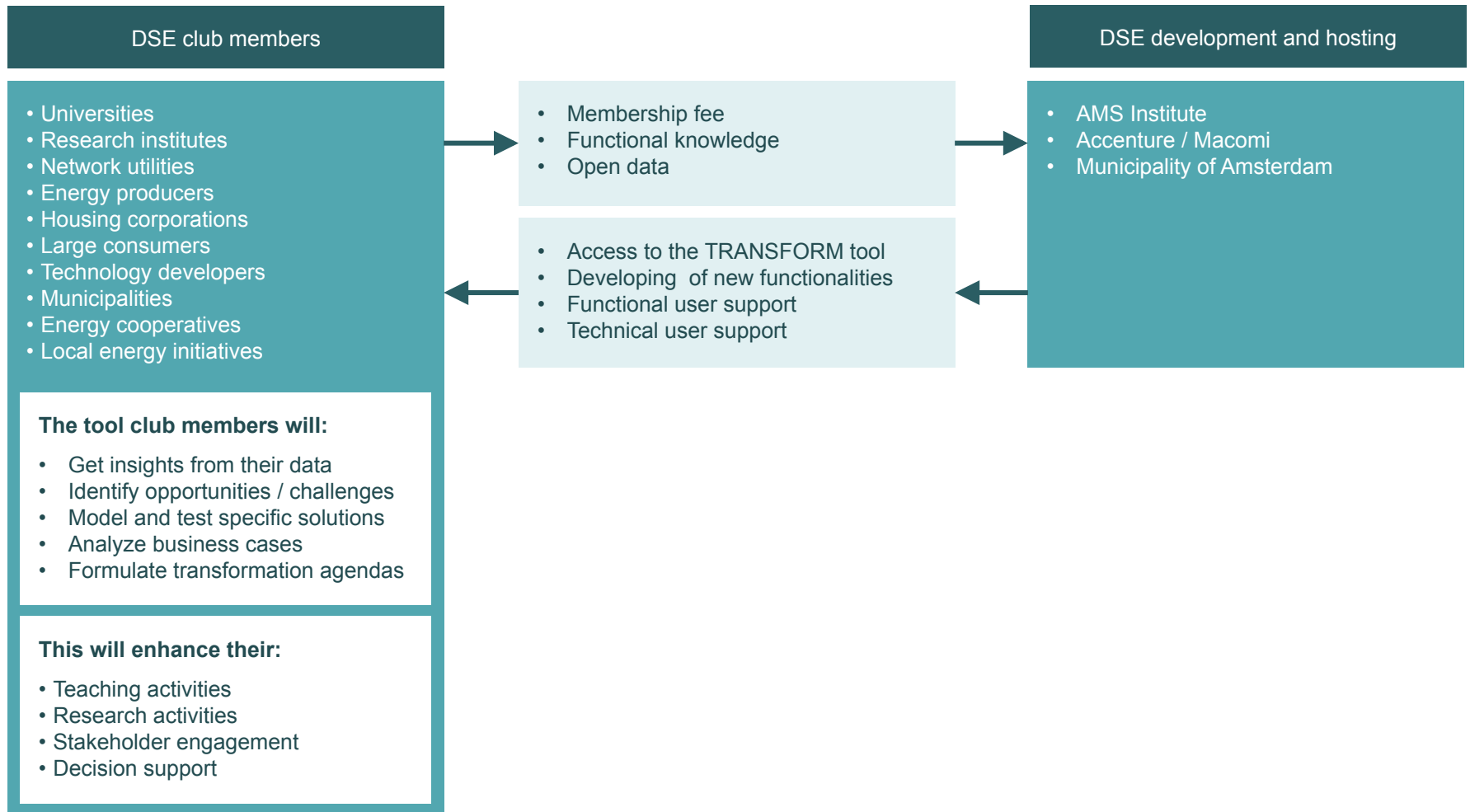
- Research and tool application
- Tool validation in case studies, requirement specification and feedback to development team
- Dissemination & Marketing*
- Training for members



- Maintenance & Hosting
- Helpdesk function
- Training for members
- Tool Development
- Dissemination & Marketing

* Bringing in new clients

The DSE will be made available via a 'DSE-club', a not for profit organisation with the aim to support as many cities as possible.



DSE functionality, service packages & membership fee

	Functionality	Service (user support)	Membership annual fee
Basic package	<ul style="list-style-type: none"> • Accessing the tool from the web • Logging-in via secure user log-in interface • Uploading and storing city-specific data sets (data owners only) • Visualizing standard data sets via maps and charts • Selecting geospatially specific areas for analysis • Applying predefined measures (standard list) geospatially • Viewing impacts (on standard KPIs) via maps and charts • Exporting measure results to .xls and .pdf files 	<ul style="list-style-type: none"> • Data and tool hosting • User training and manuals for basic functionality • Basic technology support (48h turnaround time) 	3.000 €+ 0.01€ per building
Extended package	<ul style="list-style-type: none"> • Visualizing extended data sets via maps and charts • Developing custom scenarios for independent variables • Defining additional (non-standard) KPIs • Editing models of existing (standard) measures • Developing additional models for (non-standard) measures • Assigning implementation time and uptake rate for measures • Creating portfolios of measures • Applying measures geospatially and logically • Viewing impacts of measures (on all KPIs) via maps and charts • Exporting full data sets (if open) in various formats 	Tool	<ul style="list-style-type: none"> • User training and manuals for extended functionality • Extended technology support (24h turnaround time)
		Data	<ul style="list-style-type: none"> • Data consolidation and data cleaning support • Data formatting and upload support • Data enrichment support • Data analytics and opportunity identification support
		Content	<ul style="list-style-type: none"> • Definition of scenarios for independent variables • Definition of additional (non-standard) KPIs • Editing models of existing (standard) measures • Modelling of additional (non-standard) measures • Transform process stakeholder facilitation • Tool implementation project management support • Measures based business case development
			User specific

Data requirements

The Transform Decision Support Environment has a default set of data sources and formats that allow for a fast implementation: this set has already been used in cities such as Amsterdam. Alternatively, it is very flexible and can be customized to import new sets and formats.

Data sets

Default

Most measures require the following sets:

- City administration data (building layout, address, age, ...)
- Energy consumption data (gas, electricity, heat)

Extra

Additional data sources:

- Energy potentials (solar, garbage, geothermal, wind, etc)
- Infrastructure (energy network, public assets)
- Future building plans (e.g. new districts)

Data formats

Default

Common GIS and data formats:

- ESRI shapefile
- Data files (Excel, CSV) with unique identifier to ESRI shapefile

Possibilities

Alternatives:

- Sets of addresses with data values
- Identification with coordinate system