

# 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



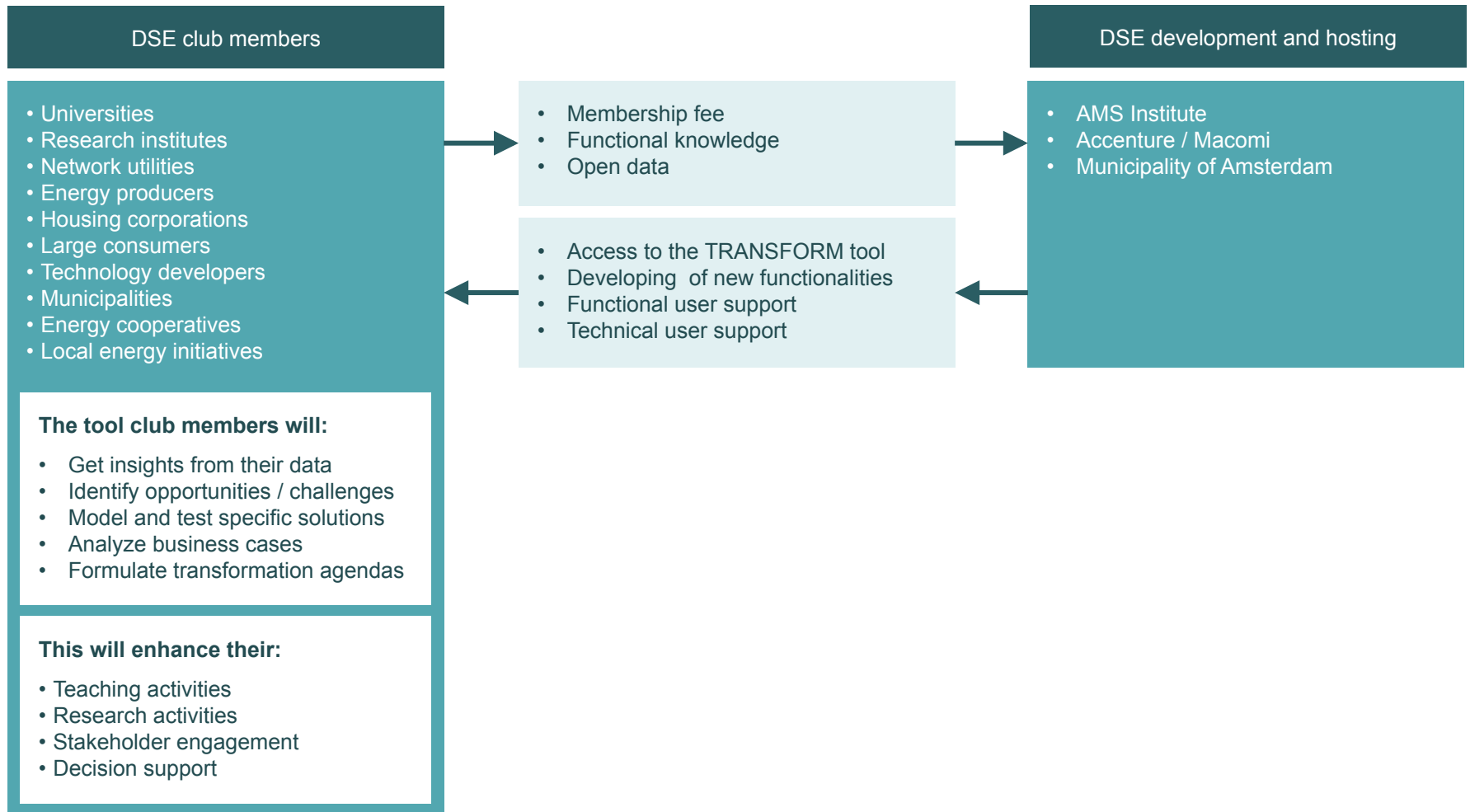
- Research and tool application
- Tool validation in case studies, requirement specification and feedback to development team
- Dissemination & Marketing\*
- Training for members



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

# 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