

## Deliverable D2.2

### “Comprehensive List of Stakeholders”

*by the Coordination and Support Action*

**ENERGISE: ICT-based ENERGY Grid Implementation – Smart and Efficient**

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*For more information on the project, please contact*

Daniel Schöllhorn

TÜV Rheinland Consulting GmbH

Uhlandstraße 88-90

10717 Berlin

Germany

[daniel.schoellhorn@de.tuv.com](mailto:daniel.schoellhorn@de.tuv.com)

+49 30 756874 412

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<b>Editor(s):</b>	Daniel Schöllhorn (TÜV Rheinland), Martin Waldburger (WIK), Johanna Bott (WIK)
<b>Author(s):</b>	Daniel Schöllhorn (TÜV Rheinland)
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## 1 Objectives and scope

The present document is the second deliverable in ENERGISe’s Work Package 2 (WP2), which is focused on the comprehensive list of identified and addressed stakeholder within the project. These results are linked directly to the two main tasks within WP2, which are, (1) to identify and contact the stakeholders throughout Europe and (2) to explore and trigger exchange to gain access to the information needed.

The list of stakeholders is the central and most important tool for the project success. Considering the large amount of potential contacts in the different stakeholder groups the final list of contacts will presumably reach several hundred entries. The current list of contacts presented in this deliverable may differ from the final list because it has to be expected that more stakeholders will join the ENERGISe community during the projects course. Therefor a structured and consistent approach to manage this list is indispensable. For a more detailed view on the chosen procedures and structure of the stakeholder list, please refer to section A of this document.

The right contacts to the right persons are crucial to the success and the results especially for a project like ENERGISe. Almost all tasks and deliverables in the project, may it be the use case analysis or the verification of decision making toolkit, depend heavily from the quality of the data took as a basis. This data has to be provided by the different stakeholders, because only they have the information and the knowledge, through their experience with pilots and deployments already in use.

In the later stages of the project, especially for the model review as well as the adaption and finalisation, the input from the stakeholders is needed to make sure that the result matches the requirements of the target audience.

In addition, the direct exchange of knowledge and experiences between the stakeholders is of high priority during the whole project. As a CSA (Coordination and Support Action), the project exists for and in exchange with a community. The key success factors depend on whether its coordination activities allow the intended stakeholders to interact meaningfully and whether its support activities help the community members. Therefore, several tasks addressing community building and community interaction were added to the project plan. These tasks all utilise the stakeholder contact list for theirs purposes. In every case, it is important that not only the contact details for a person are listed, but also additional information like the mode of interaction or a limited interest for specific topics.

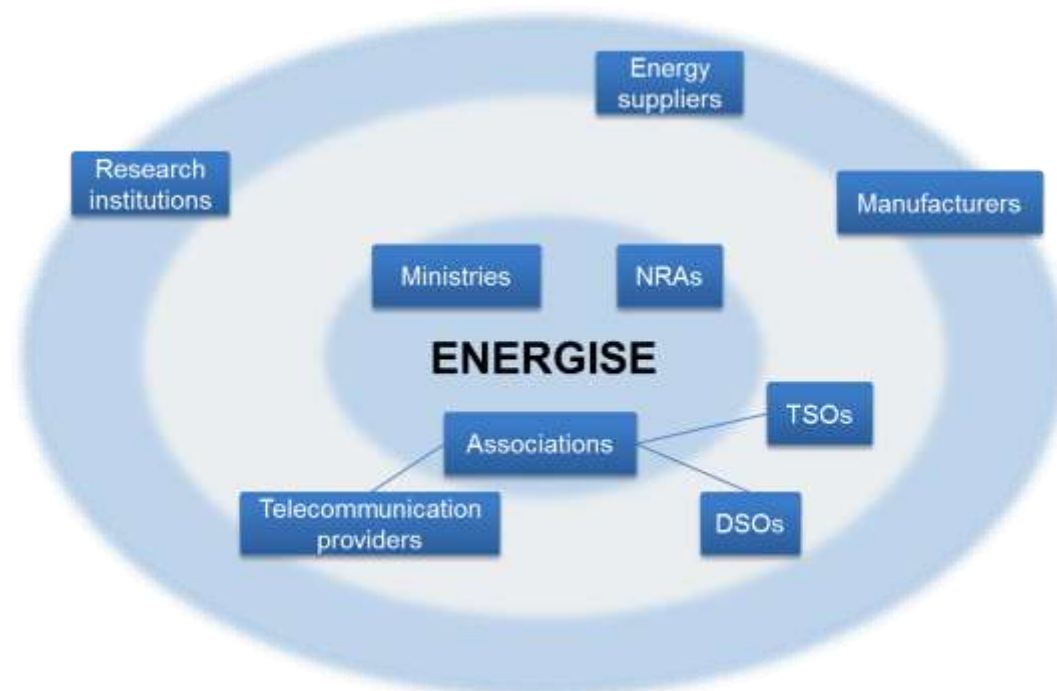
The current comprehensive list of the identified stakeholder can be found at the end of this document in Annex 1. Please keep in mind, that due to the public state of this document no personal information and or detailed descriptions to specific contacts can be shown. To allow for a more in-depth view of the work that was put into the contact list, the next chapters will describe the approach and structure of the list in a general way.

Furthermore, the stakeholder list will be improved and extended as the project progresses. Not only because contacts may change, but mainly because it is not intended to close the community at any stage of the project. Everybody who is interested in the topic of the project and wants to participate is highly welcome at any time. We will of course also respect the wish of listed stakeholders that do not want to play an active role in project anymore and delete their data from our database.

## 2 Structure of the stakeholder list

This section will describe the different groups of stakeholders and their role in the project. The goal was to create a comprehensive community in such a way, that there are no significant gaps in the set of stakeholders engaged. At the same time, the community is open to everyone that wants to participate or get informed, even if they are not contacted in the first place. The separation into different groups is necessary since specific groups of stakeholders qualify for different forms of contact and survey instruments.

In Figure 1 the most important stakeholder groups are shown. The two inner circles represent stakeholders of immediate relevance to the early survey activities. Ministries, NRAs, and associations can be very useful as multipliers when it comes to getting access to the vast amount of different DSOs and Telecommunication providers in the EU, which are located inside the middle circle together with the TSOs. ENERGISe aims to involve the stakeholders, which are placed in the outer circle in the community as well. These stakeholders however will not be in the direct focus for the early activities in the project.



**Figure 1: Stakeholders in the ENERGISe community**

## 2.1 Key stakeholder groups in the ENERGISE community

Several different stakeholder groups have been defined by the project to support a structured approach towards every group. These groups are in detail:

### 2.1.1 National Regulatory Agencies (NRAs), including European NRA bodies

Regulators are independent agencies that are responsible for regulating the market. They are interested in ensuring that competition in the market is not impaired, and they therefore need information on negative and positive developments. On the one hand, the goal is to promote the development of fast, efficient infrastructures; on the other hand, excessive subsidies must be avoided. In structuring a communications infrastructure for smart grid applications, it is the responsibility of the regulatory agencies to facilitate the best possible interaction in the energy and communications sector. NRAs will be part of the community by participating in workshops, onsite visits and discussions about smart grids' future in Europe. The input given by NRAs will mainly be about regulatory considerations regarding co-operation modes. Through ENERGISE NRAs will be able to communicate their interests on European and national level.

### 2.1.2 National ministries in European Union member states

Agencies and ministries are interested in implementing legal requirements for the smart grid. Like the regulators, they also need knowledge of negative situations within the market, in order to create industry-friendly and consumer-friendly conditions. Like NRAs, ministries will be part of the community by participating in workshops, onsite visits and discussions. Ministries will be able to exchange their viewpoints with other Ministries, NRAs as well as associations, which will provide relevant input for them to develop and further the policy context for smart grids.

### 2.1.3 European associations representing the interests of companies from the energy and the telecommunication sector

Associations are important multipliers in the ENERGISE project. They make it possible to reach a wide variety of member companies and to pool opinions. On behalf of their members, it is important for associations to understand and help shape the overall political/policy framework. Above all, the current developments in the energy and communications sector play a decisive role in this context. Associations will participate in local workshops and onsite visits. This will enable them to represent the interests of

TSOs/DSOs and telecommunication providers in the discussion on the technical, cost-related and business model-driven determinants of conceivable co-operation modes.

#### 2.1.4 Transmission and Distribution System Operators

Grid operators construct and operate the infrastructure for the power networks for energy transmission. Because of the changing overall conditions in network operations, grid operators are increasingly interested in topics such as smart metering, feed-in management, and demand side management, meaning flexible control of the generation of and demand for electrical energy. Due to the long investment periods of several decades, reliable frameworks and clear regulatory requirements play a central role. The according associations primarily represent the interests of TSOs and DSOs. They are nonetheless welcome to participate in local workshops and onsite visits. However, the project expects that their main role in the community will be to express their views in the online surveys.

## 2.2 Structure of the stakeholder list

This chapter provides a more detailed view of the different aspects and considerations that were taken into account while creating the comprehensive list of stakeholders. Beside the general split into the different stakeholder groups as described in chapter 2.1 several detailed information were collected for every single entry. This is necessary to store all the needed data for addressing the right persons. It also helps to keep track of the actions which have been taken. When communicating with an organisation, which has several possibly concrete persons and the origin of the contact is not always the same, the structured and reliable management of the relationships becomes tremendously important. If the possible stakeholder for the project gets the impression that the communication management of the project is not well coordinated, the danger of a rejection rises dramatically. To lose an important stakeholder and potential multiplier through such a simple mistake is not acceptable in all regards.. Therefore, adequate measures have been implemented into the stakeholder list.

### 2.2.1 Contact details of the stakeholder list

#### **State:**

The state information indicates the country of the particular contact. For associations on the European level the state is indicated as “Europe”. At the beginning of the project, the list of all addressed states was the starting point, especially for the identification of the different ministries and NRAs, to ensure no country was missing.

#### **Affiliation:**



The affiliation of a contact varies between the different groups of stakeholders. The governmental institutions are separated into NRAs and ministries. In the group of associations, the affiliation indicates if the contact is a real association or a network, initiative or forum with a mission similar to an association. In an analogue way, the affiliation tag is used to cluster the TSOs, DSOs and other companies.

**Sector:**

In all stakeholder groups, the "sector" tag separates the contacts between the two main sectors of the project, which are the Energy and Telecommunication sector. However, in some special situations it is possible, that an contact, like a ministry or an association is active in both sectors.

**Website:**

The name of the contact organisation enriched with a hyperlink to the official website of that contact.

**Email:**

Here is stored the official email address of the contact organisation. This address was used for the initial contact, if there was no direct personal contact in the first place. As soon as a personal contact was established, the official email address was no longer used.

**Personal contact information:**

Consisting of the name the email and the telephone number, contact details are stored for the personal link to the organisations. Often this person change as the link to the organisation gets more consolidated and starting from a general exchange to a more suitable contact.

**Status of contact:**

The status indicates if there was already a direct personal contact to that organisation or just a general exchange of information.

**Language:**

The language of the communication with the contact is saved at this place.

**Last Contact date & last contact person**

Is used to show when and by whom the last contact was established.

**Comments:**

The most important field is the comment section. Here the main notes are kept to reconstruct what was already discussed with the contact. Together with the last contact date and person information it is possible to ensure a consistent communication with each person or organisation.

### 3 Summary and outlook

This deliverable presented the comprehensive stakeholder list in its current state 6 month into the project. As already mentioned, the development of this tool for the project support is in not finished. Due to the open mind set of the ENERGISE project, stakeholders can join (or leaved) the project at any time. Therefore, the stakeholder list is also subject of constant change. In addition, the project team strives for a continuous enlargement of the stakeholder community, which will lead to additional contacts over time. In section 2, the general layout of the list and its parameters where described in detail.

As this document is open to public access, no detailed information about personal information can be shown for the contacts. However, to allow for an impression of the addressed stakeholders in terms of amount, distribution and diversity the general information for each contact is added in annex A.

In the next project steps, the comprehensive stakeholder list will act as a basis for multiple upcoming activities, like:

1. Further increase in cooperation between the project and the key stakeholders.
2. The acquisition of additional stakeholders who want to participate in the project.
3. The constant notification of all stakeholders regarding actual findings from the project as well as project activities like surveys, workshops and interviews.



## A Annex

### A.1 Stakeholder lists

**Table 1: NRAs**

Austria	NRA	Communications	<a href="#">Rundfunk &amp; Telekom Regulierungs-GmbH</a>
Austria	NRA	Energy	<a href="#">E-Control</a>
Belgium	NRA	Communications	<a href="#">Belgian Institute for Postal services and Telecommunications</a>
Belgium	NRA	Energy	<a href="#">CREG - Regulatory Commission of Electricity and Gas</a>
Bulgaria	NRA	Communications	<a href="#">Communications Regulation Commission</a>
Bulgaria	NRA	Energy	<a href="#">Energy and Water Regulatory Commission</a>
Croatia	NRA	Communications	<a href="#">HAKOM - Croatian Regulatory Authority for Network Industries</a>
Croatia	NRA	Energy	<a href="#">Croatian Energy Regulatory Agency</a>
Cyprus	NRA	Communications	<a href="#">OCECPR -Office of the Commissioner of Electronic Communications and Postal Regulation</a>
Cyprus	NRA	Energy	<a href="#">Cyprus Energy Regulatory Authority</a>
Czech Republic	NRA	Communications	<a href="#">Czech Telecommunication Office</a>
Czech Republic	NRA	Energy	<a href="#">Energy Regulatory Office</a>
Denmark	NRA	Communications	<a href="#">Danish Business Authority</a>
Denmark	NRA	Energy	<a href="#">Danish Energy Regulatory Authority</a>
Estonia	NRA	Energy/ Communications	<a href="#">Estonian Competition Authority</a>
Finland	NRA	Communications	<a href="#">Viestintävirasto - Finnish Communications Regulatory Authority</a>
Finland	NRA	Energy	<a href="#">energy authority</a>

France	NRA	Communications	<a href="#">Autorité de régulation des communications électroniques et des postes</a>
France	NRA	Energy	<a href="#">Commission de régulation de l'énergie</a>
Germany	NRA	Energy/ Communications	<a href="#">Bundesnetzagentur</a>
Greece	NRA	Communications	<a href="#">EETT - Hellenic Telecommunication &amp; Post Commission</a>
Greece	NRA	Energy	<a href="#">Regulatory Authority for Energy</a>
Hungary	NRA	Communications	<a href="#">National Media and Infocommunications Authority</a>
Hungary	NRA	Energy	<a href="#">Hungarian Energy and Public Utility Regulatory Authority</a>
Iceland	NRA	Communications	<a href="#">Post and Telecom Administration in Iceland</a>
Iceland	NRA	Energy	<a href="#">Orkustofnun - National Energy Authority</a>
Ireland	NRA	Communications	<a href="#">Commission for Communications Regulation</a>
Ireland	NRA	Energy	<a href="#">Commission for Electricity Regulation</a>
Italy	NRA	Communications	<a href="#">AGCOM - Autorità per le garanzie nelle comunicazioni</a>
Italy	NRA	Energy	<a href="#">Autorita per l'energia elettrica il gas ed il sistema idrico</a>
Latvia	NRA	Energy/ Communications	<a href="#">Public Utilities Commission</a>
Lithuania	NRA	Communications	<a href="#">Communication Regulatory Authority of the Republic of Lithuania</a>
Lithuania	NRA	Energy	<a href="#">National Commission for Energy Control and Prices</a>
Luxembourg	NRA	Energy/ Communications	<a href="#">Institut Luxembourgeois de Régulation</a>
Malta	NRA	Communications	<a href="#">Malta Communications Authority</a>

Malta	NRA	Energy	<a href="#">Malta Resources Authority</a>
Netherlands	NRA	Communications	<a href="#">Authority for Consumers &amp; Markets</a>
Norway	NRA	Communications	<a href="#">Norway Communications Authority</a>
Norway	NRA	Energy	<a href="#">Norwegian Water Resources and Energy Directorate</a>
Poland	NRA	Communications	<a href="#">Office of Electronic Communications</a>
Poland	NRA	Energy	<a href="#">Energy Regulatory Office of Poland</a>
Portugal	NRA	Communications	<a href="#">ANACOM - Autoridade nacional de Comunicacoes</a>
Portugal	NRA	Energy	<a href="#">ERSE - Energy Services Regulatory Authority</a>
Romania	NRA	Communications	<a href="#">ANCOM - National Authority for Management and Regulation in Communications of Romania</a>
Romania	NRA	Energy	<a href="#">ANRE - Regulatory Authority for Energy</a>
Slovakia	NRA	Communications	<a href="#">Regulatory Authority for Electronic Communications and Postal Services</a>
Slovakia	NRA	Energy	<a href="#">URSO - Regulatory Office for Network Industries</a>
Slovenia	NRA	Communications	<a href="#">AKOS - Agency for Communication Networks and Services of the Republic of Slovenia</a>
Slovenia	NRA	Energy	<a href="#">Energy Agency of the Republic of Slovenia</a>
Spain	NRA	Energy/ Communications	<a href="#">comisión nacional de los mercados y la competencia</a>
Sweden	NRA	Communications	<a href="#">PTS - Swedish Post and Telecom Authority</a>
Sweden	NRA	Energy	<a href="#">Ei - Energy Markets Inspectorate</a>
Switzerland	NRA	Communications	<a href="#">Bundesamt für Kommunikation</a>
Switzerland	NRA	Energy	<a href="#">BFE - Bundesamt für Energie</a>
United	NRA	Communications	<a href="#">Ofcom - Office of Communications</a>

Kingdom			
United Kingdom	NRA	Energy	<a href="#">ofgem - Office of Gas and Electricity Markets</a>
Denmark, Finland, Norway, Sweden, Iceland	NRA-Body	Energy	<a href="#">NordREG - Nordic Energy Regulators</a>
Europe	NRA-Body	Communications	<a href="#">IRG - Independent Regulators Group</a>
Europe	NRA-Body	Energy/ Communications	<a href="#">BEREC - Body of European Regulators for Electronic Communications</a>
Europe	NRA-Body	Energy	<a href="#">CEER - Council of European Energy Regulators</a>
Europe	NRA-Body	Energy	<a href="#">ACER- Agency for the Cooperation of Energy Regulators</a>
Europe	Standards Organisation	Communications	<a href="#">ETSI - European Telecommunications Standards Institute</a>
Europe	Standards Organisation	Energy	<a href="#">CENELEC – European Committee for Electrotechnical Standardization</a>
Europe	Standards Organisation	Communication	<a href="#">ETSI - European Telecommunications Standards Institute</a>

**Table 2: Ministries**

Austria	Ministry	Communications	<a href="#">BMVIT - Bundesministerium für Verkehr, Innovation und Technologie</a>
Austria	Ministry	Energy	<a href="#">BMWFW - Bundesministerium für Wissenschaft, Forschung und Wirtschaft</a>
Austria	Ministry		<a href="#">BMLFUW - Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft</a>
Austria	Ministry		<a href="#">Bundesministerium für Arbeit, Soziales und Konsumentenschutz</a>
Austria	Ministry		<a href="#">Bundesministerium für Inneres</a>

Belgium	Ministry	Energy	<a href="#">Federal Public Service Economy, SMEs, Self-employed and Energy</a>
Belgium	Ministry		<a href="#">BELSPO - Belgian Science Policy</a>
Bulgaria	Ministry	Communications	<a href="#">Ministry of Transport, Information Technology and Communications</a>
Bulgaria	Ministry	Energy	<a href="#">Ministry of Economy</a>
Bulgaria	Ministry		<a href="#">Ministry of Education, Youth and Science – Centre for Research and Analyses</a>
Bulgaria	Ministry		<a href="#">Ministry of Interior</a>
Croatia	Ministry	Energy	<a href="#">Ministry of Economy</a>
Croatia	Ministry		<a href="#">Ministry of Science, Education and Sports</a>
Cyprus	Ministry	Communications	<a href="#">Ministry of Communication and Works</a>
Cyprus	Ministry	Energy	<a href="#">Ministry of Energy, Commerce, Industry and Tourism</a>
Cyprus	Ministry		<a href="#">Ministry of Agriculture, Rural Development and Environment</a>
Cyprus	Ministry		<a href="#">Ministry of Interior</a>
Czech Republic	Ministry	Energy	<a href="#">Ministry of Industry and Trade of the Czech Republic</a>
Czech Republic	Ministry		<a href="#">Ministry of the Environment of the Czech Republic</a>
Czech Republic	Ministry		<a href="#">Ministry of the interior of the Czech Republic</a>
Denmark	Ministry	Energy	<a href="#">Ministry of Climate, Energy and Building</a>
Denmark	Ministry		<a href="#">Ministry of Economic Affairs and the Interior</a>
Denmark	Ministry		<a href="#">Ministry of Higher Education and Science</a>
Denmark	Ministry		<a href="#">The Danish Ministry of Business and Growth</a>
Estonia	Ministry		<a href="#">Ministry of Economic Affairs and Communications</a>
Finland	Ministry	Communications	<a href="#">Ministry of Transport and Communications</a>

Finland	Ministry	Energy	<a href="#">Ministry of Employment and the Economy</a>
Finland	Ministry		<a href="#">Ministry of the Environment</a>
France	Ministry		<a href="#">Ministère du Développement durable</a>
France	Ministry		<a href="#">Ministry of economy, financial and industries</a>
France	Ministry		<a href="#">Ministry of higher education and research</a>
Germany	Ministry	Energy	<a href="#">BMWi - Bundesministerium für Wirtschaft und Energie</a>
Germany	Ministry		<a href="#">BMVI - Bundesministerium für Verkehr und digitale Infrastruktur</a>
Germany	Ministry		<a href="#">BMJV - Bundesministerium der Justiz und für Verbraucherschutz</a>
Germany	Ministry		<a href="#">BMUB - Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit</a>
Greece	Ministry	Communications	<a href="#">Ministry of Infrastructure, Transport and Networks</a>
Greece	Ministry		<a href="#">Ministry of Interior and Administrative Reconstruction</a>
Hungary	Ministry		<a href="#">Ministry of National Economic</a>
Hungary	Ministry		<a href="#">Ministry of Foreign Affairs and Trade</a>
Hungary	Ministry		<a href="#">Ministry of National Development</a>
Iceland	Ministry		<a href="#">Ministry for the Environment and Natural Resources</a>
Iceland	Ministry		<a href="#">Ministry of Finance and Economic Affairs</a>
Iceland	Ministry		<a href="#">Ministry of Industries and Innovation</a>
Ireland	Ministry	Energy	<a href="#">Department of Communications, Energy and Natural Resources</a>
Ireland	Ministry		<a href="#">Department of Jobs, Enterprise and Innovation</a>
Italy	Ministry		<a href="#">Ministry of Economic Development</a>
Italy	Ministry		<a href="#">Ministry of Environment, Protection of Land</a>



			<a href="#">and Sea</a>
Latvia	Ministry		<a href="#">Ministry of Economics</a>
Latvia	Ministry		<a href="#">Ministry of Education and Science</a>
Latvia	Ministry		<a href="#">Ministry of Environmental Protection and Regional Development</a>
Lithuania	Ministry	Communications	<a href="#">Ministry of Transport and Communication</a>
Lithuania	Ministry	Energy	<a href="#">Ministry of Energie</a>
Lithuania	Ministry		<a href="#">Ministry of Economy of the Republic of Lithuania</a>
Lithuania	Ministry		<a href="#">Ministry of Environment</a>
Luxembourg	Ministry		<a href="#">Ministère de l'Agriculture, de la Viticulture et du Développement rural / Luxembourg - Accueil</a>
Luxembourg	Ministry		<a href="#">Ministère de l'Économie</a>
Luxembourg	Ministry		<a href="#">Ministère de l'Enseignement Supérieur et de la Recherche</a>
Luxembourg	Ministry		<a href="#">Ministère des Affaires Étrangères et Européennes</a>
Luxembourg	Ministry		<a href="#">Portail de l'Environnement du Grand-duché de Luxembourg</a>
Malta	Ministry		<a href="#">Ministry for Energy and Health</a>
Malta	Ministry		<a href="#">Ministry for Sustainable Development, the Environment and Climate Change</a>
Malta	Ministry		<a href="#">Ministry for the Economy, Investment and Small Business</a>
Netherlands	Ministry	Energy/ Communications	<a href="#">Ministry of Economic Affairs</a>
Norway	Ministry	Communications	<a href="#">Ministry of Transport and Communications</a>
Norway	Ministry	Energy	<a href="#">Ministry of Petroleum and Energy</a>
Norway	Ministry		<a href="#">Ministry of Climate and Environment</a>
Norway	Ministry		<a href="#">Ministry of Local Government and</a>

			<a href="#">Modernisation</a>
Norway	Ministry		<a href="#">Ministry of Education and Research</a>
Norway	Ministry		<a href="#">Ministry of Trade, Industry and Fisheries</a>
Poland	Ministry	Communications	<a href="#">Ministry of Infrastructure and Development</a>
Poland	Ministry		<a href="#">Ministry of the Environment</a>
Portugal	Ministry		<a href="#">Ministry of Economy</a>
Portugal	Ministry		<a href="#">Ministry of Education and Science</a>
Portugal	Ministry		<a href="#">Ministry of Environment Spatial Planning and Energy</a>
Romania	Ministry		<a href="#">Ministry of Economy, Trade and the Business Environment</a>
Slovakia	Ministry		<a href="#">Ministry of Economy of the Slovak Republic</a>
Slovenia	Ministry		<a href="#">Ministry of Environment</a>
Slovenia	Ministry		<a href="#">Ministry of Transport, Construction and Regional Development</a>
Spain	Ministry		<a href="#">Ministry of Economy and Competitiveness</a>
Spain	Ministry		<a href="#">Ministry of Agriculture, Food and Environment</a>
Spain	Ministry		<a href="#">Ministry of Internal Development</a>
Sweden	Ministry	Energy	<a href="#">Ministry of the Environment and Energy</a>
Sweden	Ministry		<a href="#">Ministry of Enterprise and Innovation</a>
Sweden	Ministry		<a href="#">Ministry of Education and Research</a>
Switzerland	Ministry	Energy/ Communications	<a href="#">UVEK - Eidgenössisches Departement für Umwelt, Verkehr, Energie und Kommunikation</a>
Switzerland	Ministry		<a href="#">WBF - Eidgenössisches Departement für Wirtschaft, Bildung und Forschung</a>
United Kingdom	Ministry	Energy	<a href="#">Department of Energy &amp; Climate Change</a>
United Kingdom	Ministry		<a href="#">Department for Business Innovation &amp; Skills</a>

United Kingdom	Ministry		<a href="#">Department for Environment Food &amp; Rural Affairs</a>
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**Table 3: Association**

Europe	Association	Energy/ Communications	<a href="#">EUTC - European Utilities Telecom Council</a>
Europe	Association	Energy/ Communications	<a href="#">ENCS - European Network for Cyber Security</a>
Europe	Association	Energy/ Communications	<a href="#">CEEP - European Centre of Enterprises with Public Participation and of Enterprise of General Economic Interest</a>
Europe	Network	Energy/ Communications	<a href="#">INEA - Innovation &amp; Networks Executive Agency</a>
Europe	Association	Energy	<a href="#">EFET - European Federation of Energy Traders</a>
Europe	Association	Energy	<a href="#">EDSO for smart grids</a>
Europe	Association	Energy	<a href="#">eurelectric - Union of the Electricity Industry</a>
Europe	Association	Energy	<a href="#">EBA - European Biogas Association</a>
Europe	Association	Energy	<a href="#">EWEA - The European Wind Energy Association</a>
Europe	Association	Energy	<a href="#">ENTSO-E - European Network of Transmission System Operators for Electricity</a>
Europe	Association	Energy	<a href="#">EUROPEX - Association of European Energy Exchange</a>
Europe	Association	Energy	<a href="#">GEODE - The Voice of local Energy Distributors across Europe</a>
Europe	Association	Energy	<a href="#">Directorate-General for Energy.</a>
Europe	Association	Energy	<a href="#">SolarPower Europe - the new EPIA</a>
Europe	Association Researcher	Energy	<a href="#">EUREC - Association of Renewable Energy Research Centres</a>
Europe	Community	Energy	<a href="#">Energy Community</a>

Europe	Initiativ	Energy	<a href="#">Renewables Grid Initiative</a>
Europe	Network	Energy	<a href="#">Smart Grids European Technology Platform</a>
Europe	Association	Energy	<a href="#">ESMIG - European Smart Metering Industry Group</a>
Europe	Association	Communication	<a href="#">ECTA - European Competitive Telecommunications Association</a>
Europe	Association	Communication	<a href="#">FITCE - Fédération des Ingénieurs des Télécommunications de la Communauté Européenne</a>
Europe	Association	Energy/ Communication	<a href="#">RAP - Regulatory Assistance Project</a>
Europe	Association	Energy/ Communication	<a href="#">BEUC - The European Consumer Organization</a>
Austria, Belgium, Bulgaria, France, Germany, Italy, Netherlands, Norway, Sweden, Switzerland	Association	Energy	<a href="#">CEDEC</a>
Austria	Association	Energy	<a href="#">Oesterreichs Energie</a>
Austria	Association	Energy	<a href="#">Energie-Klima</a>
Austria	Market Research	Energy	<a href="#">Austrian Energy Agency</a>
Austria	Network	Energy	<a href="#">Smart Grids Austria</a>
Austria	Association	Communication	<a href="#">VAT - Verband alternativer Telekom-Netzbetreiber</a>
Belgium	Association	Energy	<a href="#">Edora - Fédération des énergies renouvelables</a>

Belgium	Association	Energy	<a href="#">Synergrid</a>
Belgium	Forum	Communication	<a href="#">FITCE.be</a>
Bulgaria	Association	Energy	<a href="#">ABEA - Association of Bulgarian energy Agencys</a>
Belgium	Association	Communication	<a href="#">Ispa - Belgian Internet Service Provider Association</a>
Cyprus	Network	Energy	<a href="#">SmartGrids - Tehnoloska platforma za Pametna Omrezja</a>
Czech Republic	Association	Energy	<a href="#">CSVE - Czech Wind Energy Association</a>
Czech Republic	Association	Communication	<a href="#">ELA - Czech and Moravian Electrical and Electronic Association</a>
Czech Republic	Association	Energy	<a href="#">CSVE - Czech Wind Energy Association</a>
Denmark	Association	Energy	<a href="#">Danish Energy Association</a>
Denmark	Association	Communication	<a href="#">TIA - Telecommunications Industry Association</a>
Denmark	Association	Energy	<a href="#">Danish Wind Industry Association</a>
Denmark	Association	Energy	<a href="#">iEnergi - Intelligent Energi</a>
Denmark	Cluster	Energy	<a href="#">Offshoreenergy -offshore knowledge and innovation centre</a>
Estonia	Association	Energy	<a href="#">Eesti Taastuvenergia Koda - Estonian Renewable Energy Association</a>
Estonia	Association	Communication	<a href="#">ITL - Estonian Association of Information Technology and Telecommunications</a>
Finland	Association	Energy	<a href="#">Energiateollisuus - Finnish Energy Industries</a>
France	Association	Energy	<a href="#">FAEE - France, Association des Economistes de l'Energie</a>
Germany	Association	Communication	<a href="#">VATM - Verband der Anbieter von Telekommunikations- und Mehrwertdiensten</a>

Germany	Association	Communication	<a href="#">DVPT - Deutscher Verband für Post, Informationstechnologie und Telekommunikation e.V.</a>
Germany	Association	Communication	<a href="#">VAF -Bundesverband Telekommunikation</a>
Germany	Association	Energy	<a href="#">BNE - Bundesverband Neue Energiewirtschaft e.V.</a>
Germany	Association	Energy	<a href="#">AGORA Energiewende</a>
Germany	Association	Energy	<a href="#">ZVEI - Zentralverband Elektrotechnik- und Elektronikindustrie e.V.</a>
Germany	Association	Energy	<a href="#">BDEW - Bundesverband der Energie- und Wasserwirtschaft e.V.</a>
Germany	Association smart meter	Energy	<a href="#">Meterpan (Verbund)</a>
Germany	Cluster	Energy	<a href="#">Cluster EnergieRegion.NRW</a>
Germany	Cluster	Energy	<a href="#">OLEC- Energie bewegt den Nordwesten</a>
Germany	Association	Energy	<a href="#">BEMD - Bundesverband der Energiemarkt Dienstleister</a>
Germany	Association	Energy	<a href="#">VDE - Verband der Elektrotechnik</a>
Germany	Association	General	<a href="#">VKU-Verband Kommunaler Unternehmen</a>
Germany	Association	General	<a href="#">BITCOM - Verband der digitalen Wirtschaft</a>
Hungary	Association	Communication	<a href="#">HTE - scientific association for infocommunications hungary</a>
Hungary	Association	Communication	<a href="#">IVSZ - ICT Association of Hungary</a>
Ireland	Association	Communication	<a href="#">TIF - Telecommunications and Internet federation</a>
Ireland	Association	Energy	<a href="#">EAI - The Electricity Association of Ireland</a>
Ireland	Network	Energy	<a href="#">sgi - Smart Grid Ireland</a>



Italy	Association	Energy	<a href="#">associanzione Italiana Economiste dell'Energia</a>
Italy	Cluster	Energy	<a href="#">Energycluster</a>
Latvia	Association	Communication	<a href="#">LIKTA - Latvian Information and Communications Technology Association</a>
Latvia	Association	Energy	<a href="#">LEEA - Latvian Association of Power engineers and Energy Constructors</a>
Lithuania	Association	Communication	<a href="#">INFOBALT association</a>
Lithuania	Association	Energy	<a href="#">National Lithuanian Electricity Association</a>
Lithuania	Association	Energy	<a href="#">LEEA - Lithuanian Electricity Association</a>
Malta	Association	Energy	<a href="#">MEEREA - Malta Energy Efficiency and Renewable Energies Association</a>
Netherlands	Association	Communication	<a href="#">Nederland ICT</a>
Netherlands	Network	Energy	<a href="#">Smart Grids Flanders</a>
Netherlands	Association	Energy	<a href="#">Netbeheer Nederland</a>
Norway	Association	Energy	<a href="#">Energy Norway</a>
Norway	Cluster	Energy	<a href="#">NCE Smart Energy Markets</a>
Poland	Association	Energy	<a href="#">PKEE - Polski Komitet Energii Elektrycznej</a>
Poland	Association	Energy	<a href="#">PTPiREE</a>
Portugal	Association	Energy	<a href="#">Apren - Associação de Energias Renováveis</a>
Romania	Association	Communication	<a href="#">AOTR - Association of Telecom Operators in Romania</a>
Romania	Association	Energy	<a href="#">AFEER - Association of Electricity Suppliers in Romania</a>
Slovenia	Platform	Energy	<a href="#">Milan Vidmar Electric Power Research</a>

			<a href="#">Institute - Institute for Electricity Supply Economy and Electrical Industry</a>
Spain	Association	Energy	<a href="#">UNESA - Asociacion Espanola de la Industria Electrica</a>
Spain	Network	Energy	<a href="#">Futured - Plataforma española de redes eléctricas</a>
Sweden	Association	Energy	<a href="#">Svensk Energi</a>
United Kingdom	Association	Communication	<a href="#">UKCTA - UK Competitive Telecommunications Association</a>
United Kingdom	Association	Energy	<a href="#">SmartGridGB</a>
United Kingdom	Association	Energy	<a href="#">Energy UK</a>
United Kingdom	Association	Energy	<a href="#">ENA - Energy Networks Association</a>

**Table 4: Transmission System Operators**

Cyprus	TSO/DSO	Energy	<a href="#">Cyprus TSO - Cyprus Transmission System Operator</a>
Croatia	TSO/DSO	Energy	<a href="#">HOPS - HOPS d.o.o.</a>
United Kingdom	TSO	Energy	<a href="#">National Grid National Grid Electricity Transmission plc</a>
United Kingdom	TSO	Energy	<a href="#">SONI - System Operator for Northern Ireland Ltd</a>
United Kingdom	TSO	Energy	<a href="#">SHE Transmission - Scottish Hydro Electric Transmission plc</a>
United Kingdom	TSO	Energy	<a href="#">SPTransmission - Scottish Power Transmission plc</a>
Switzerland	TSO	Energy	<a href="#">Swissgrid ag</a>
Sweden	TSO	Energy	<a href="#">SVENSKA KRAFTNÄT</a>
Spain	TSO	Energy	<a href="#">REE - Red Eléctrica de España S.A.</a>
Slovenia	TSO	Energy	<a href="#">ELES. d.o.o.</a>

Slovak Republic	TSO	Energy	<a href="#">SEPS - Slovenska elektrizacna prenosova sustava, a.s.</a>
Serbia	TSO	Energy	<a href="#">EMS - JP Elektromreža Srbije</a>
Romania	TSO	Energy	<a href="#">Transelectrica - C.N. Transelectrica S.A.</a>
Portugal	TSO	Energy	<a href="#">REN - Rede Eléctrica Nacional, S.A.</a>
Poland	TSO	Energy	<a href="#">PSE S.A. - Polskie Sieci Elektroenergetyczne S.A.</a>
Norway	TSO	Energy	<a href="#">Statnett SF</a>
Netherlands	TSO	Energy	<a href="#">TenneT TSO B.V.</a>
Montenegro	TSO	Energy	<a href="#">Crnogorski elektroprenosni sistem AD</a>
Luxembourg	TSO	Energy	<a href="#">Creos Luxembourg S.A.</a>
Lithuania	TSO	Energy	<a href="#">Litgrid AB</a>
Latvia	TSO	Energy	<a href="#">AS Augstsprieguma tīkls</a>
Italy	TSO	Energy	<a href="#">Terna - Rete Elettrica Nazionale SpA</a>
Ireland	TSO	Energy	<a href="#">EirGrid plc</a>
Iceland	TSO	Energy	<a href="#">Landsnet hf</a>
Hungary	TSO	Energy	<a href="#">MAVIR ZRt. - MAVIR Magyar Villamosenergia-ipari Átviteli Rendszerirányító Zártkörűen Működő Részvénytársaság</a>
Greece	TSO	Energy	<a href="#">Independent Power Transmission Operator</a>
Greece	TSO	Energy	<a href="#">IPTO - Independent Power Transmission Operator S.A.</a>
Germany	TSO	Energy	<a href="#">TransnetBW GmbH</a>
Germany	TSO	Energy	<a href="#">TenneT TSO GmbH</a>
Germany	TSO	Energy	<a href="#">Amprion GmbH</a>
Germany	TSO	Energy	<a href="#">50Hertz Transmission GmbH</a>
FYR of Macedonia	TSO	Energy	<a href="#">MEPSO - Macedonian Transmission System Operator AD</a>

France	TSO	Energy	<a href="#">RTE - Réseau de Transport d'Electricité</a>
Finland	TSO	Energy	<a href="#">Fingrid Oyj</a>
Estonia	TSO	Energy	<a href="#">Elering AS</a>
Denmark	TSO	Energy	<a href="#">Tennet</a>
Denmark	TSO	Energy	<a href="#">Energinet.dk</a>
Czech Republic	TSO	Energy	<a href="#">ČEPS - ČEPS a.s.</a>
Bulgaria	TSO	Energy	<a href="#">ESO - Electroenergien Sistemen Operator EAD</a>
Bosnia and Herzegovina	TSO	Energy	<a href="#">NOS BiH - Nezavisni operator sustava u Bosni i Hercegovini</a>
Belgium	TSO	Energy	<a href="#">Elia - Elia System Operator SA</a>
Austria	TSO	Energy	<a href="#">APG - Austrian Power Grid AG</a>
Austria	TSO	Energy	<a href="#">VUEN - Vorarlberger Übertragungsnetz GmbH</a>