


The logo for EUROSOLAR, featuring the word "EURO" stacked above "SOLAR" in a stylized, sans-serif font. An orange triangle points downwards from the top left towards the text.

EUROSOLAR
The European Association
for Renewable Energy

A close-up photograph of a silver trophy. It features a central glass sphere with a solar panel inside, surrounded by a curved metal band. The background is a blurred display of other trophies.

2020 EUROPEAN SOLAR PRIZE

WEDNESDAY
2ND DECEMBER
ONLINE



Sponsored by:
Stiftungsfonds C&U Baumeister
für nachhaltige Technologie



EUROPEAN SOLARPRIZE 2020



THIS YEAR'S EUROPEAN SOLAR PRIZE GOES TO:

Towns, municipalities, council districts, public utilities
Isle of Eigg, Scotland

Solar architecture and urban planning
FELIX PARTNER Architektur und Design, Switzerland

Industrial and commercial companies or farmers
Camping Car, S.L., Spain

Local or regional associations / organisations
Bodensee-Stiftung, Germany

Transport and mobility
Ærø Municipality, Denmark

Media
Platform against Nuclear Hazards Salzburg (PLAGE), Austria
Johanna Jaurich, Germany

Education and vocational training
School Roof Revolution, Netherlands

One World Cooperation
Social Business (B)Energy, Germany

Members of the jury:

Claus P. Baumeister, Board of Trustees, EUROSOLAR e.V.
Dr. Axel Berg, Chair, EUROSOLAR Section Germany
Gallus Cadonau, President, Solar Agency, Switzerland
Prof. Cangelli, University of Rome, President EUROSOLAR, Italy
Prof. Peter Droege, President of EUROSOLAR, Liechtenstein, Jury Chair
Nikos Fintikakis, International Union of Architects UIA Vice Président RII, President ARES, Greece
Johannes Hegger, Hegger Hegger Schleiff Architects, Germany
Wolfgang Hein, President, EUROSOLAR, Austria
Louise Holloway, Entrepreneur, Director of the Energy Endeavour Foundation
Andre Langwost, Secretary General of the European Solar Manufacturing Council
Dr. Panos Mantziaras, Director EcoCentury Project and Fondation Brailard Geneve, Switzerland
Jennifer McIntosh, Head of Secretariat, International Solar Energy Society (ISES), Germany
Prof. Antonio R. Rivero, International Academy of Architecture, Italy
Prof. Jürgen Sachau, University of Luxembourg
Josep Puig, Präsident der EUROSOLAR Catalonia Group und Spain Section



EUROPEAN SOLARPRIZE 2020

Isle of Eigg *Scotland*

Towns, municipalities, council districts, public utilities

Community owned, managed and maintained stand alone energy grid, which supplies all residents with electricity from renewable energy sources

The Scottish Isle of Eigg is powered by three renewable sources – hydro, wind and solar – that have been integrated into a stable, high-voltage underground grid since 2008. The island was never connected to the mainland grid and had to rely on diesel generators before.

The idea for an independent and renewable energy supply was developed after the residents, the Highland Council and Scottish Wildlife Trust set up the island's own Heritage Trust in 1997 in order to buy the island. They secured financing from EU funds and set up Eigg Electric which manages 11 km of underground high

voltage cable, three hydroelectric plants (100 kW, 5 kW and 6 kW), four 6kW wind turbines and 50kW solar photovoltaic capacity.

Eigg Electric operates the island's energy infrastructure and is a subsidiary of the Isle of Eigg Heritage Trust. The island grid produces approximately 90 % of the electricity used locally. A battery bank, able to provide electricity for up to 24 hours, helps smooth out supply and demand. Nowadays, the two diesel generators are only used for back-up. The residents were consulted on every step of the way, including energy prices and what to do with surplus energy. This is now used to heat communal spaces free of charge.

The isle of Eigg is a pioneer of community power and the possibilities of renewable island grids.



Contact

Sustainable Projects Ireland,
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FELIX PARTNER Architektur und Design *Switzerland*

Solar architecture and urban planning

Transforming the 350-year-old Engadine building ensemble into a traditional yet modern zero-energy house

FELIX PARTNER Architecture and Design perfects the art of combining beautiful architecture with the preservation of cultural assets and intelligent energy technology.

The 350-year-old Engadine building ensemble is located in the village center of Latsch in the canton of Graubünden in Switzerland. The historically valuable core of the building, which stood empty for half a decade before restoration, has been carefully restored without compromising its charm. FELIX PARTNER Architecture and Design adapted the building to today's living needs and installed modern en-

ergy technology to make it energy self-sufficient. A Soltop ELEKTRA energy roof, consisting of a photovoltaic system and solar collectors, now collects solar energy to meet the energy and heating needs of the residents. Excess energy collected in summer is stored in the rock via a geothermal probe and can be used as a climate-neutral energy source in winter. The improvements have been deliberately left obvious and visible and are limited to exposed concrete and larch wood - both untreated - as well as black steel and glass.

The restoration and redesign of the historic Engadine building ensemble already shows us today the renewable architecture of the future. It brings innovation and tradition into harmony, is energy self-sufficient, sustainable and attractively designed and executed.



Contact

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Camping Car, S.L.
Spain

Industrial and commercial companies or farmers

Creating the eco-friendly camping bungalow resort La Ballena Alegre, Costa Brava

The Camping Bungalow Resort La Ballena Alegre is an example of renewable tourism and makes holidaymakers aware of the impact of our lifestyle on the environment. The operators are continuously working to improve the carbon footprint of the resort which features different kinds of 'e-Devesa'-bungalows.

Each bungalow has its own PV-roof, a battery that accumulates the surplus energy from the day to use it at night, and an aerothermic pump to obtain the maximum comfort with the mini-

mum consumption. In addition, each bungalow has an individual electric vehicle charging point. In total, four hundred photovoltaic panels have been installed on the 'e-Devesa'-bungalows, saving one hundred tons of carbon emissions per year.

La Ballena Alegre also uses geothermal energy and plans to further expand its use of renewable energies, especially wind power. The operator also commits to promoting eco-wellness, the reduction of water and energy consumption, and waste. La Ballena Alegre offers both comfort and ecological sustainability on the beautiful Costa Brava, Sant Pere Pescador, Girona, Catalonia.



Contact

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EUROPEAN SOLARPRIZE 2020

Bodensee-Stiftung
Germany

Local or regional associations/organizations

Their versatile work and reliable commitment to renewable energies for over 25 years and counting

The members of the Lake Constance Foundation are committed to integrating and implementing the energy transition into a comprehensive agenda for protecting the environment and promoting sustainability.

The Foundation is active in the four-country Lake Constance region – Germany, Austria, Switzerland and Liechtenstein. In the last 25 years, the Foundation has demonstrated in more than 40 projects how to implement sustainable development successfully. Its projects range from management consultancy on climate protection to eco-camping, the establish-

ment of the first solar boat fleet, and the promotion of independent energy transition projects. It established a network in the region of Lake Constance consisting of municipal utilities, engineers, planners, nature conservation associations and local authorities, which initiates a large number of innovative renewable energy projects.

The Lake Constance Foundation is committed to transformation at regional and municipal level. It supports citizens to become the driving force behind a democratic new energy system. The foundation's holistic approach to energy system transformation contributes to climate protection across borders and is a model for a sustainable Europe.



Contact

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Ærø Municipality
Denmark

Transport and mobility

The electric ferry ELLEN, which demonstrates the great potential of green electric mobility in shipping

ELLEN is a pioneering, 100% electric ferry. With a length of almost 60 metres and a capacity for 30 vehicles and 200 passengers, she was the largest electric ferry in the world on entering service in August 2019.

ELLEN crosses the sea from Germany via southern Denmark to and from Ærø and offers her passengers the sound of waves and seagulls rather than engine noise and diesel smoke. Compared to a diesel ferry, ELLEN saves the release of more than 2,000 tonnes of CO₂ per year. The electric ferry is the result of a

five-year innovation project funded under the European Commission's Horizon 2020 framework program in cooperation with Ærø municipality.

She was built by Søby Værft A/S, with sections fabricated in Poland and developed in Switzerland. The batteries are split between two battery rooms and have a capacity of 4.3 MWh. This enables ELLEN to cross distances of up to 22 nautical miles between charging. The design minimizes weight: While the hull is steel, the bridge is made of aluminium and the deck furniture from recycled paper rather than wood. ELLEN is a true European and a milestone in the electrification of the shipping industry.



Contact

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Platform against Nuclear Hazards Salzburg (PLAGE) *Austria*

Media

Campaign work on the dangers of nuclear energy and the new short video “Quit EURATOM”

The Platform against Nuclear Hazards Salzburg (PLAGE) has been a key player in the Austrian anti-nuclear movement since 1986. For several decades, the association has been working constructively against the hazards arising from civil and military use of nuclear energy, and for a nuclear-free future and the promotion of renewable energies.

PLAGE is an independent, critical platform for awareness raising, knowledge exchange and networking. The association organises events,

carries out publicity campaigns and publishes various formats such as the printed magazine ‘The Platform News’ and the digital newsletter EURATOM Watch. They also have a large, publicly accessible library and video library.

PLAGE’s latest short video calls urgently to “Quit EURATOM”. In it, PLAGE draws attention to the absurdities of the EURATOM-treaty which was established in 1957. EURATOM commits the EU to massive investment in nuclear energy independent of almost any other policy and without the involvement of the EU Parliament. In times like these, we are glad to have committed people who show relics like the EURATOM treaty for what they are: absurd.



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Johanna Jaurich
Germany

Media

Raising awareness of the ecological and social impact of coal power with her film “My future without coal – Three people, one story”

Johanna Jaurich’s debut “My future without coal – Three people, one story” accompanies three people for one year in the middle of the most heated debate on German climate policy. The documentary shows how the coal exit affects people’s personal lives and looks empathically at a deadlocked debate. Civil disobedience, personal ambition, our global future: “My future without coal” demonstrates how politics and private life interact and raises awareness of the ecological and social impact

of coal power. Created for German public television, the documentary attracted more than half a million viewers for its first broadcast. The film was produced by the prominent independent production company fechnerMEDIA which specializes in films about sustainability.

Jaurich started out as video editor for Greenpeace and participated in various freelance film projects. She studied media science with a focus on film sociology and media psychology and has been working for fechnerMEDIA as an author, director and producer since 2017. The young writer and director Johanna Jaurich was voted “Best Woman Filmmaker” at the Barcelona Planet Film Festival.



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School Roof Revolution *Netherlands*

Education and vocational training

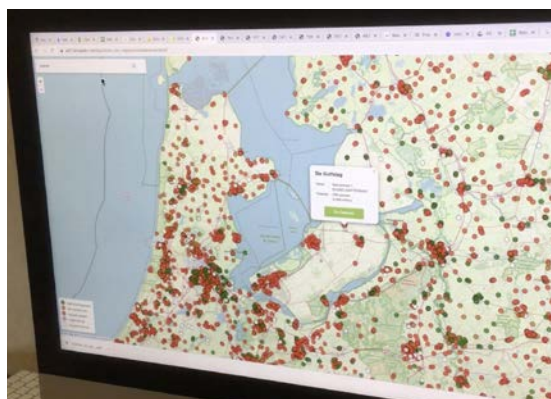
Supporting and facilitating the installation of PV systems on all suitable roofs of Dutch Schools

The Dutch foundation school roof revolution - 'Schooldakrevolutie' - set out on the mission to cover every suitable Dutch school roof with solar panels to make schools and their curriculum more sustainable. The independent, not-for-profit organization strives to make the transition to solar power as easy as possible for school boards and municipalities.

A team of 10 employees and 16 local volunteers offers technical advice, a plan of action for schools and brings school boards together with the relevant parties such as installers, local governments and civil society. The associa-

tion is already in contact with representatives of over half the schools in the Netherlands and continuously analyses real estate portfolios to find practical options for change. As a result of the support, 627 schools are ready to install solar panels within the next 1 ½ years and 50 schools installed their own rooftop PV system last year.

In line with their efforts to reach school officials as well as teachers, parents and children, the foundation encourages everyone, including pupils, to challenge their schools on sustainable energy and the option of a solar roof in nation-wide campaigns. Schooldakrevolutie is powering through for a true, local energy revolution and demonstrates how to implement PV on public school buildings on a large scale.



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EUROPEAN SOLARPRIZE 2020

Social Business (B)Energy
Germany

One World Cooperation

Making biogas available to remote rural households through mobile biogas technology

The startup (B)Energy provides people in rural regions of Africa, Asia and Latin America with access to clean, innovative and ecological energy. At the same time, it makes small local farmers more independent. Biogas is often a valuable solution for local farmers. It enables them not only to produce energy from animal dung and organic waste, but also to recover fermentation residues, which are valuable organic fertilizers.

The social enterprise sells mobile biogas technology, consisting of a biogas plant, a biogas backpack and a biogas burner, to local busi-

ness partners. The backpack is the key feature that makes the biogas plant a business model. The rucksack serves as a storage for about 1.2 cubic meters of biogas from any kind of biogas plant. This amount is sufficient for three to four hours of cooking.

While the capacity of the biogas plants can be adjusted to the amount of substrate available, the backpack makes the gas available independently of production, and mobile. Surplus biogas can be sold to and bought from neighbours. Agricultural engineer Katrin Pütz founded the start-up that turns its customers into energy entrepreneurs. (B)Energy is doing the kind of "one-world cooperation" that deserves its name: It is cooperation at eye level.



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