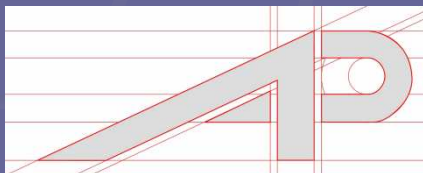


# Integration of renewable energy issues in local planning process

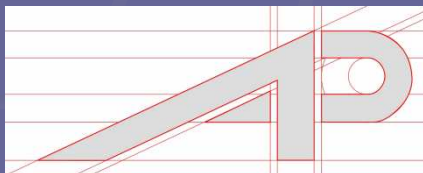
Ewa Kochońska

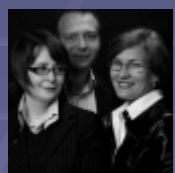
Association of Economic Consultants *Pro-Akademia*  
*Bioenergy for the Region Cluster*



## Agenda

1. Presentation of the Association of Economic Consultants *Pro-Akademia*
2. Presentation of the *Bioenergy for the Region* Cluster
3. Situation of Polish local governments in view of the EU Energy Policy
4. Sustainable development and energy independence in local development strategies
5. Renewable energy in local development
6. Case study. Integration of renewable energy issues in local planning process in Daszyna commune

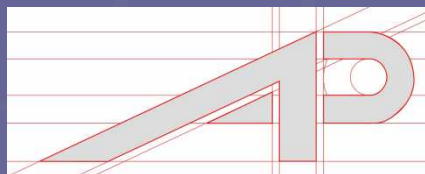




The Association of Economic Consultants Pro-Akademia (AEC PA), with its headquarters in Lodz, was founded and started activity on the 22nd April 1996.

Today, the AEC PA is one of leading non-governmental organizations in Poland that render assistance in the processes of education and entrepreneurship development in Poland. The AEC PA is also one of the largest NGOs working abroad for the benefit of developing countries, especially those mentioned in the European Neighbourhood Policy.

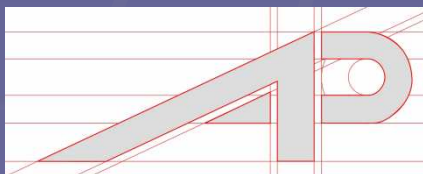
One of the most important advantages of our projects is engaging a lot of different actors — administration, both at national and local level, NGOs, entrepreneurs, high schools and the media.



## Trainings and consulting

We share our knowledge and experience in the National System of Services for Small and Medium Enterprises (SMEs). Our experts provide a wide range of training schemes and advisory services both for SMEs and public bodies.

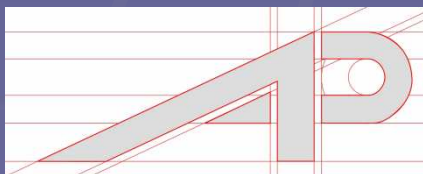
Majority of our offer is free of charge thanks to the part-financing by the public funds.



## International cooperation

Our activities focus on four key policy areas: implementation of territorial cooperation projects aimed at entrepreneurship development and environment protection, support to development of Polish exports, development aid and actions for the benefit of the Poles abroad.

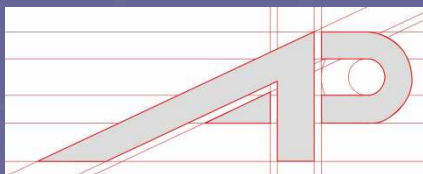
We are a member of the National Polish NGDO platform - 'Grupa Zagranica'.



## Corporate Social Responsibility

We promote Corporate Social Responsibility, a conception of constructing strategies of entrepreneurs on the basis of social dialogue and sustainable development rules.

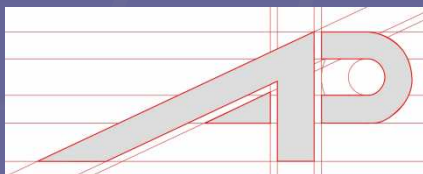
Our experience concentrate not only on supporting entrepreneurship, but on activating and integrating local communities and environment protection.





Association of Business Consultants is a manager of Bioenergy for the Region Cluster.

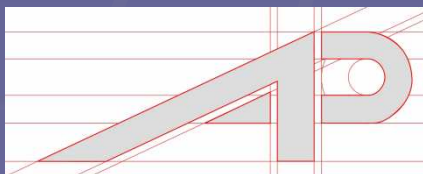
The Bioenergy for the Region Cluster is a bottom-up cooperative initiative, open for companies, farmers, R&D institutions, local administration and business support institutions of Lodz Voivodship.





The main objective of the cluster is to support sustainable bioenergy development of the Lodz Region in Poland in the context of implementation of the integrated energy and climate change [package of the European Commission](#) to cut emissions for the 21st Century.

The territorial area of the project covers the Lodz Region, however to reach its goals, it is carried out also abroad, to benchmark the best eco-energy practices.

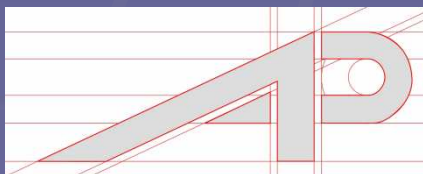




## Situation of Polish local governments in view of the EU Energy Policy.

The following institutions are responsible for implementation of the EU Energy Policy in Poland:

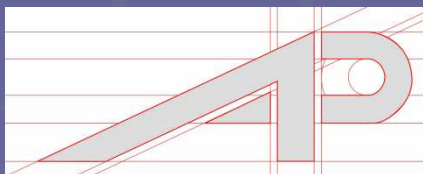
- voivodeships' governments,
- communes,
- power enterprises,
- Energy Regulatory Office,
- Ministry of Economy.



Polish communes are obliged to implement tasks connected with supplying communities in the local area with heat, electricity and gas .

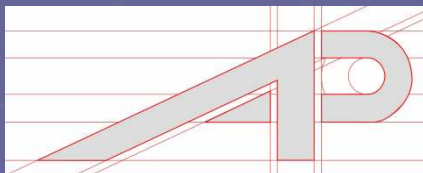
These tasks may be performed by a commune, by a communal legal entity or by an enterprise.

This means that a commune, having great competences and a possibility to choose the legal form of the managing entity, may and should be an active actor in the field of planning local system of energy management.



## Polish local administration undertakes such activities as:

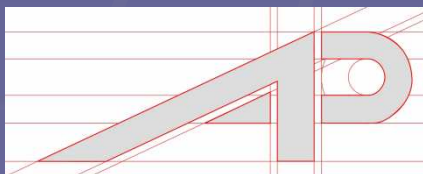
- introducing sustainable local plans of energy supply management,
- using local energy resources, including renewables,
- planning and implementing ownership policy in the field of energy at local level,
- analysing barriers of development of local energy systems and putting forward proposals of eliminating these constraints,
- modernising local sources of heat and heating grids,
- developing energy infrastructure on rural territories,
- insulating flat buildings,
- revitalisation of neglected areas, especially municipal ones,
- increasing local energy efficiency,
- developing collective transport services and infrastructure in view of limiting use of fuels and promotion of alternative energy sources.



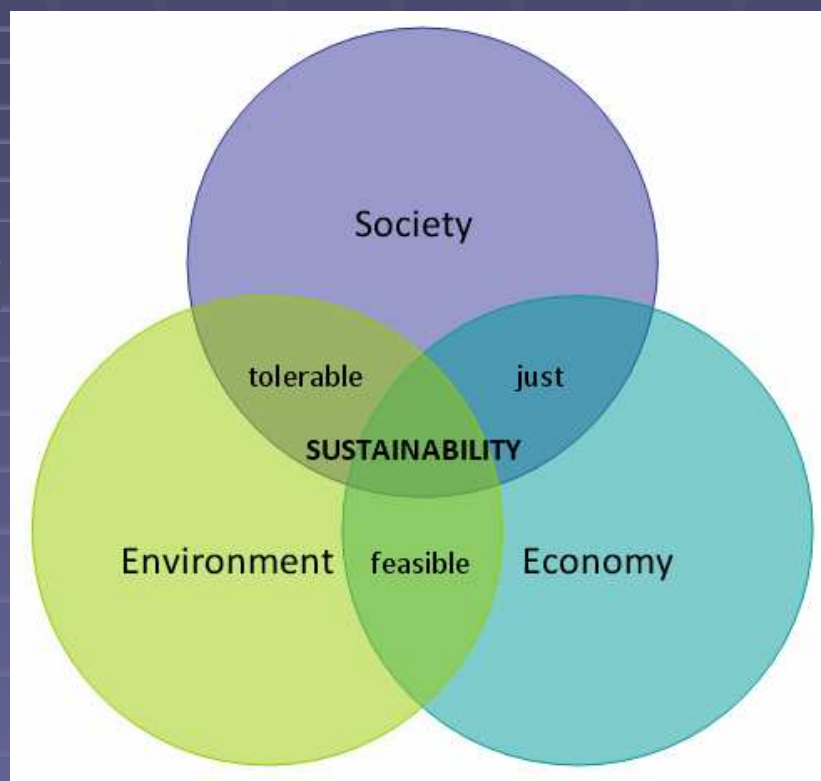
## Sustainable development and energy independence in local development strategies.

Local planning processes in Poland are based on international law regulations, including Action Programme Agenda 21, an all-embracing blueprint of action to be undertaken by all governments of the United Nations, which adopted the document in Rio de Janeiro on June 14, 1992.

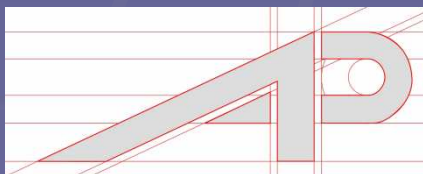
In Poland sustainable development rules are of constitutional significance – they have been specified in article no. 5 of the Polish constitution.



## Sustainable development in local perspective

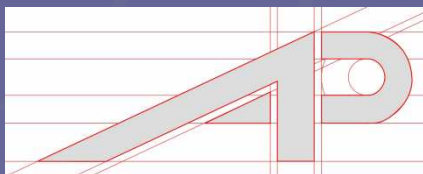


Source: AEC Pro-Akademia



## The following issues are becoming a social standard in Poland:

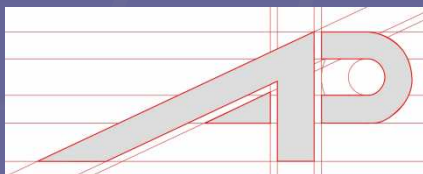
- designing all new public benefit buildings in line with environmental standards of low-carbon economy;
- re-adaptation of buildings as a way of avoiding excessive use of energy;
- insulating residential buildings;
- recycling and composting of waste as well as maximising its use for energy purposes;
- creation of a system of incentives for local communities to follow the rules of sustainable energy management;
- making public space and environmental resources accessible for the needs of communal transport, bicycle and pedestrian paths, which reduces use of energy and limits pollutions.



## Renewable energy in local development

Polish communes are aware of the importance of dispersed generation and they want to build their energy safety on it.

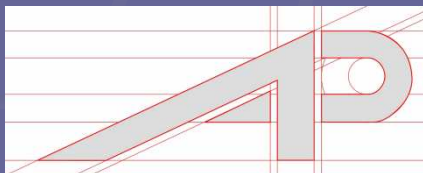
The EU's structural funds, the Cohesion Fund and national contributions are substantial incentives for communes to develop local energy systems based on renewables. These financial inducements are resulting in biogas power plants, biomass-processing facilities, wind farms and small-scale hydro.



## 'Innovative energy – energetic agriculture' Programme of Ministry of Agriculture and Ministry of Economy

- 2,500 biomass-processing facilities based on pickled products and waste are going to be established in 12 years in Polish communes
- 35-42 billion PLN - the estimated cost of investments
- 3,000 MW total power planned to reach
- 100,000 new workplaces are presumed to be created directly

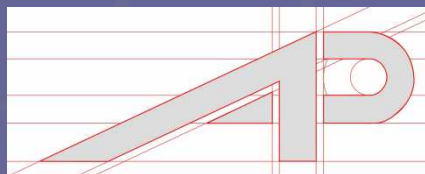
/ Building of a small-scale power plant will be conducive to improvement of situation of rural territories. One third of the surface of area which is currently treated as barrens is supposed to be used for tillage of energy crops./





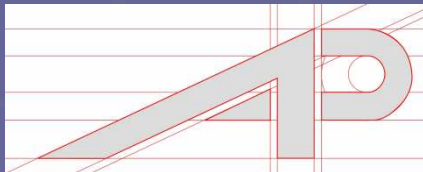


Case study. Integration of renewable energy issues  
in local planning process in Daszyna commune.

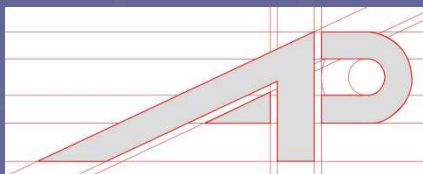


The authorities in Daszyna decided to base the socio-economic development of the commune on an integrated system of renewable energy.

- Installation of solar panels on roofs of every building in the area, not only on those of public benefit character, but also residential ones.
- Modernisation of the street-lighting with the use of photovoltaic cells
- Establishment of the local power plant based on processing of energy crops
- Establishment of windfarms
- Modernisation of local electricity grids



The annual budget of the Daszyna commune for 2008 amounts to **PLN 8,359,697**, but the budget of the investments in the field of renewable energy is planned for **PLN 12,568,721** for period 2010-2011.



Thank you for your attention

