

# ***Cieszyn - Tesin***

## ***Polish – Czech - Slovak Hydrogen Community***

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Katowice, PL***

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Tessin, Cz***

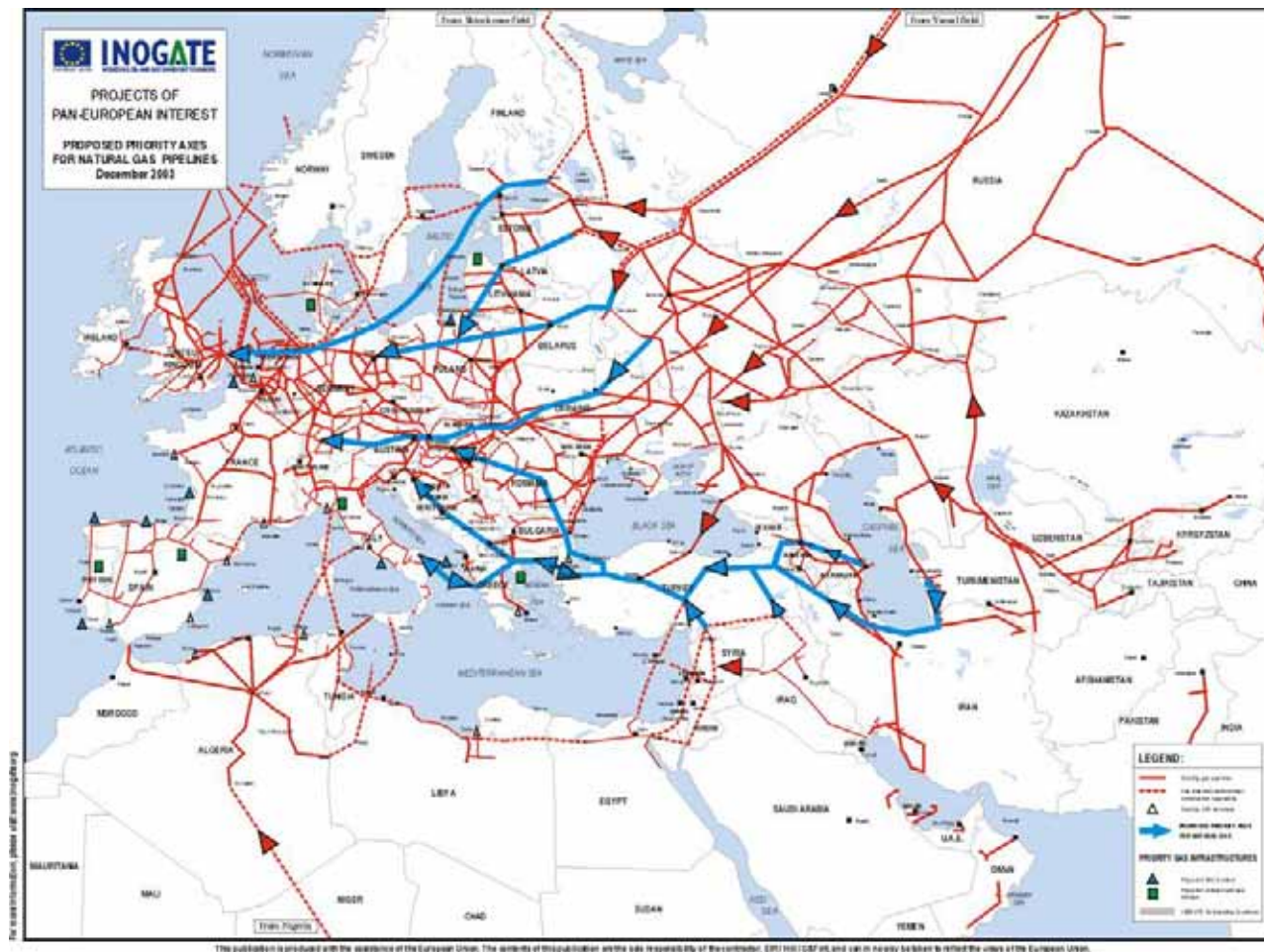
***Eng, Jan Kawulok, Občanské Sdružení Eeko Heco  
Tessin ,Cz***



Workshop

Supporting Regions to Integrate Hydrogen

Brussels, Wednesday 4th October 2006



***Cieszyn – Tesin HyCom is a part of larger regional activity***

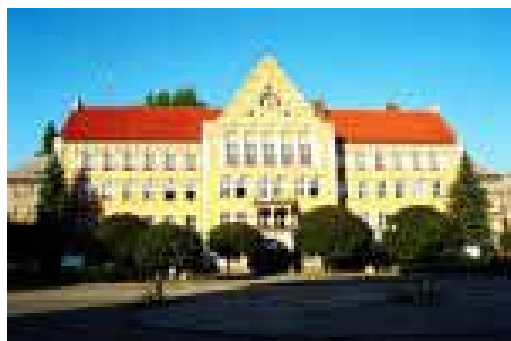




## Cieszyn Silesia

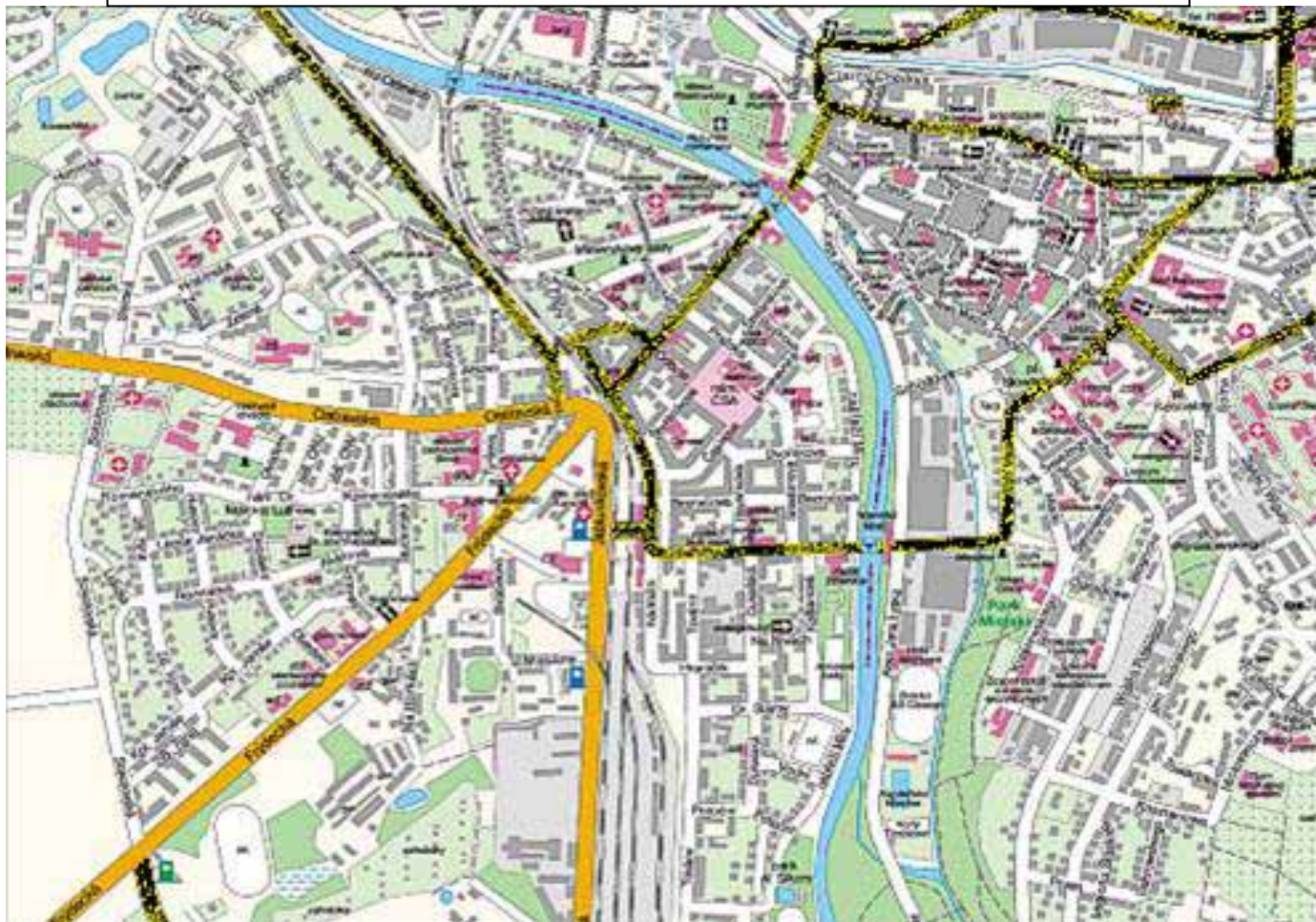
[www.cieszyn.pl](http://www.cieszyn.pl) [www.info.tesin.cz](http://www.info.tesin.cz)

## *History of Cieszyn City*



*Historians claim that Cieszyn was established at the end of the 10th century. At the end of the 13th century, Cieszyn became the capital of the Duchy of Cieszyn, ruled by the Piast dynasty until the middle of the 17th century when it was taken over by the Habsburg dynasty. Historically, the town of Cieszyn, once a single municipal entity, then, a thriving trading community under the Habsburg rule, was divided into Polish and Czech part with the national border along the river Olza in 1920.*

# Map of Cieszyn City



*At the beginning of the 20th century, while still under the Habsburg rule and after to 1920 Cieszyn -Tesin had a common public transportation system linking the Czech and Polish parts of the town*



<http://muzeum-cieszyn.ox.pl>

- *Today, when both Poland and the Czech Republic are EU Member States, the border has disappeared again. Hence, there arose an idea of re-establishing that system, this time operated by fuel cell vehicles. Such a small scale demonstration project would serve as a mutually beneficial integration tool for the Czech and Polish communities.*



Nádražní ul. - 1911

Český Těšín - Czeski Cieszyn

Ul. Dworcowa - 2001



*Proposed locations of hydrogen fuel stations  
for local hydrogen transportation system*



Jablunkov  
Český Těšín  
Cieszyn  
Bielsko-Biala  
Český Těšín  
Karviná

*Hydrogen sources;*

- *Jablunkov, Pisek - mineral water saturated with methane, hydrogen from wood waste*
- *Český Těšín- Cieszyn – small hydro-power plant*
- *Cieszyn - photovoltaic,*
- *Grodziec – biomass – hydrogen conversion*
- *Karviná – Kaczyce -coal bed methane conversion*

## Partners

- *Cieszyn City Municipal, PL*
- *Tesin Municipal, CZ*
- *Central Mining Institute, GIG, PL*
- *Powiat Cieszyński*
- *Związek Komunalny*
- *Silesian University (PL)*
- *The Silesian Castle of Art and Enterprise in Cieszyn*
- *Regional Collaboration and Development Society*
- *Local SMEs*
- *Polish and Czech Logistic Enterprises (PL, CZ)*
- *Ekoenergia Society Cieszyn (PL)*
- *Uniterm (PL)*

## Partners

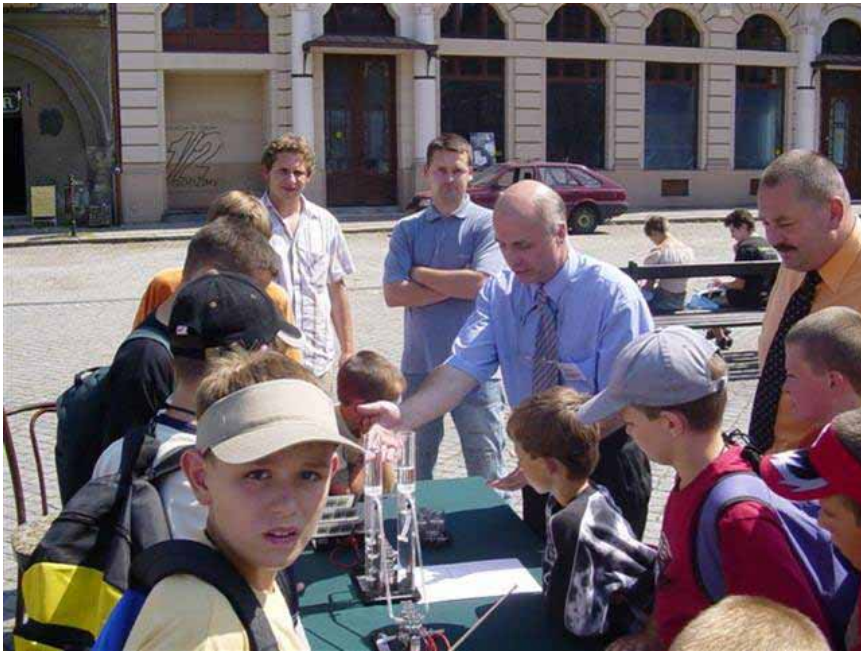
<u>Podnikatelské subjekty:</u>	
○ TŘINECKÉ ŽELEZÁRNY, a.s	<a href="http://www.trz.cz">www.trz.cz</a>
○ RS LÁZNĚ DARKOV KARVINÁ, a.s.	<a href="http://www.rsdarkov.cz">www.rsdarkov.cz</a>
○ KARTA Group, a.s.	<a href="http://www.hotelsteel.cz">www.hotelsteel.cz</a>
○ MORAVIA STEEL, a.s.	<a href="http://www.moraviasteel.cz">www.moraviasteel.cz</a>
○ Martek Medical, a.s.	<a href="http://www.martekmedical.cz">www.martekmedical.cz</a>
○ CAR CLUB s.r.o. Vrchlabí	<a href="http://www.carclub.cz">www.carclub.cz</a>
○ HRAT, s.r.o.	<a href="http://www.hrat.org">www.hrat.org</a>
○ REMER spol. s r.o., Třinec	<a href="http://www.remer.cz">www.remer.cz</a>
○ IZOTECH, spol. s r.o. Malé vodní elektrárny Třinec	-
○ AGRO – EKO spol. s.r.o. Ostrava	<a href="http://www.agro-eko.cz">www.agro-eko.cz</a>
<u>Instituce :</u>	
○ NRZP Praha	<a href="http://www.nrzp.cz">www.nrzp.cz</a>
○ Regionální rada rozvoje a spolupráce v Třinci	<a href="http://www.regrada.hrat.org">www.regrada.hrat.org</a>
○ Česká hutnická společnost - pobočka Třinec	-
○ REGIONÁLNÍ SDRUŽENÍ	
○ pro česko-polskou spolupráci TĚŠÍNSKÉHO SLEZSKA	<a href="http://www.euregio-teschinensis.org">www.euregio-teschinensis.org</a>
○ Česko - polská obchodní komora	<a href="http://www.opolsku.cz">www.opolsku.cz</a>
○ OS TRIANON Slovensko	-
○ OS TRIANON CZ	<a href="http://www.ostrianon.cz">www.ostrianon.cz</a>
<u>Vzdělávací instituce:</u>	
○ Slezská univerzita OPF Karviná	<a href="http://www.opf.slu.cz">www.opf.slu.cz</a>
○ Technická univerzita VŠB Ostrava	<a href="http://www.vsb.cz">www.vsb.cz</a>
○ GYMNÁZIUM Český Těšín	<a href="http://www.gmct.cz">www.gmct.cz</a>
○ Střední průmyslová škola Karviná	<a href="http://www.sps-karvina.cz">www.sps-karvina.cz</a>
<u>Obce – města:</u>	
○ Obec Dětmárovice	<a href="http://www.detmarovice.cz">www.detmarovice.cz</a>
○ Město Český Těšín	<a href="http://www.tesin.cz">www.tesin.cz</a>
○ Město Žilina Slovensko	<a href="http://www.zilina.sk">www.zilina.sk</a>

**Background Activities:**

- 1. „Solar School”- Series of lectures in secondary schools in Cieszyn**
- 2. ”Third International students Conferences on Sustainable Energy”**
- 3. Regional Center of Education in Area Sustainable Develop**



**activity**





<http://www.managenergy.net/actors/A3721.htm>



[www.trianon.silesnet.cz](http://www.trianon.silesnet.cz)

***Think Globally Act Locally  
Fourth International Pupils' Conference 2007  
in the area of Sustainable Energy***

***“Renewable Energy Hydrogen and Fuel Cell Technology in Theory and Practice”  
„Energy Day“***

***Český Těšín 20. April 2007  
Cieszyn 21. April 2007***

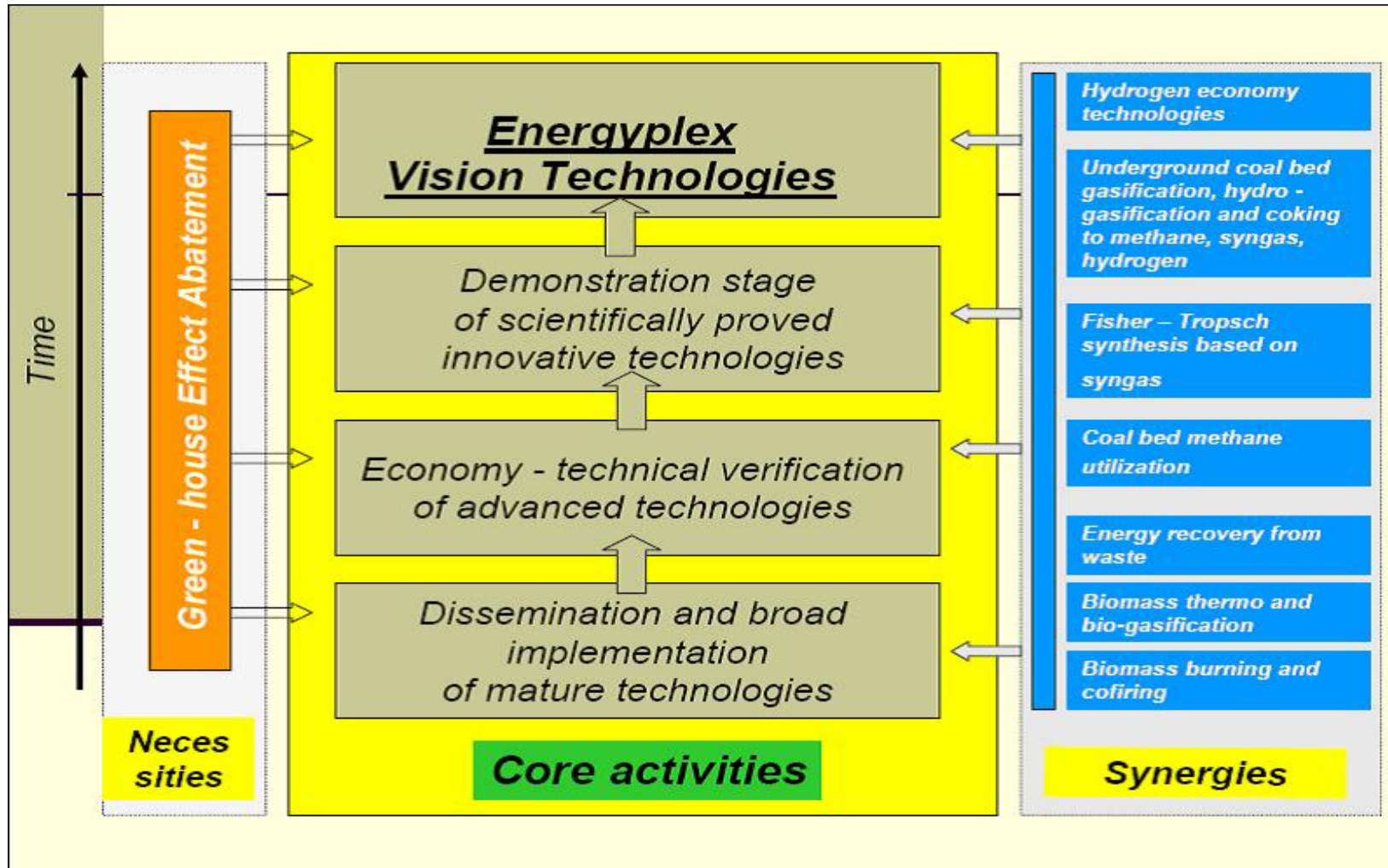
### Wokshops and meetings

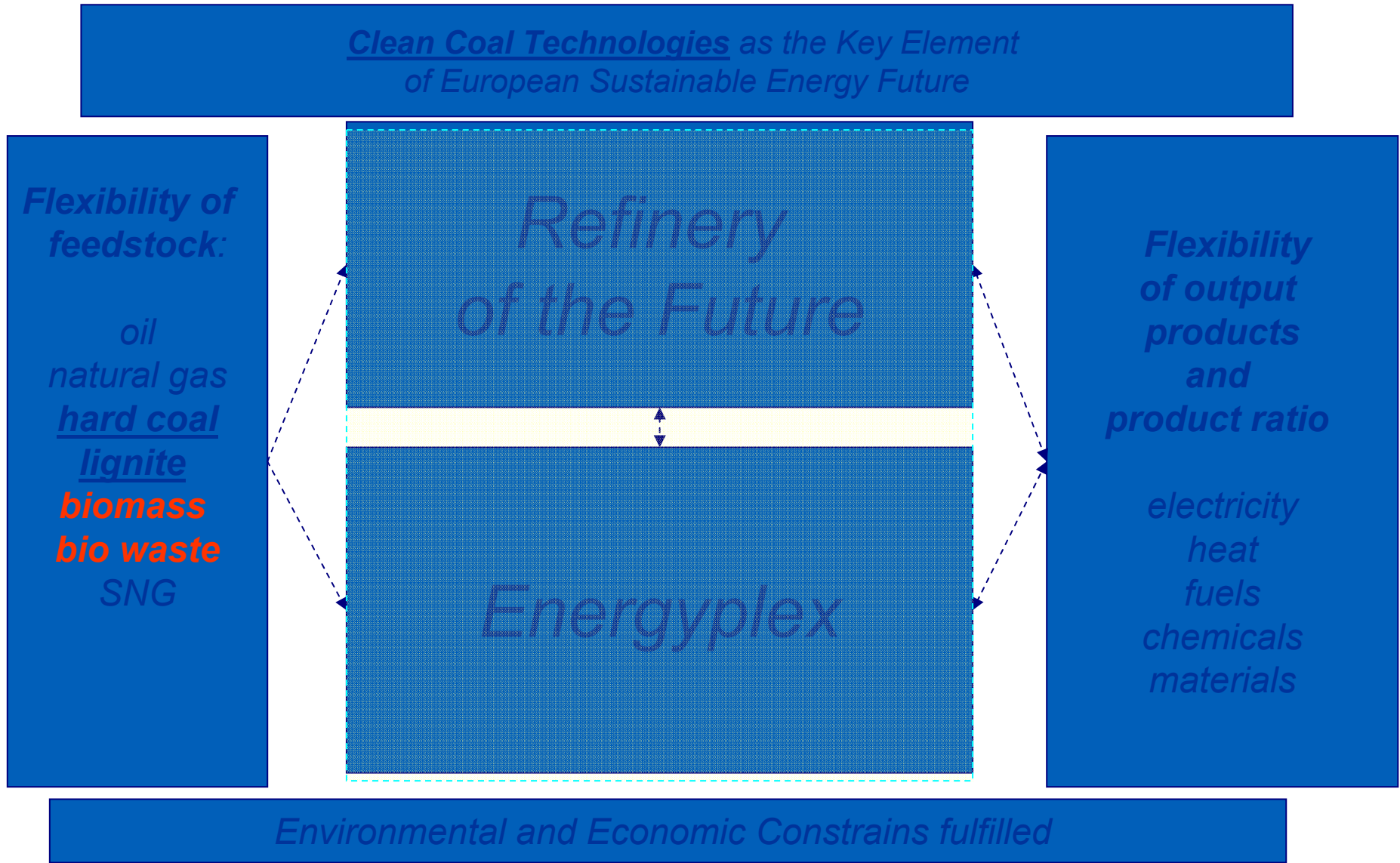




*Cieszyn HyCom is a part of larger regional activity*

- 1. In the frame of Innovative Silesian Clean Coal Technology Cluster*
- 2. Will be treated as preferable location for implementation Biosynergy IP results and EnergyPlex idea development*
- 3. Is the one from the leading activities moderated in the frame of HyWays II Project*
- 4. Polish Hydrogen and Fuel Cell Society is registered in Cieszyn*





**Thank you for your  
attention!**