

How to develop hybrid park from a botanical garden? Economic aspects.

Pawel Kojs, Silesian Botanical Garden, PL
Sosnowa 5, 43-190 Mikolow
pkojs@op.pl



European Union

European Regional Development Fund

Interreg IV C - Project "Hybrid Parks" **Partner 8: Silesian Botanical Garden**



Plan of the presentation

Part 1:

Who we are and where we are?

Part 2:

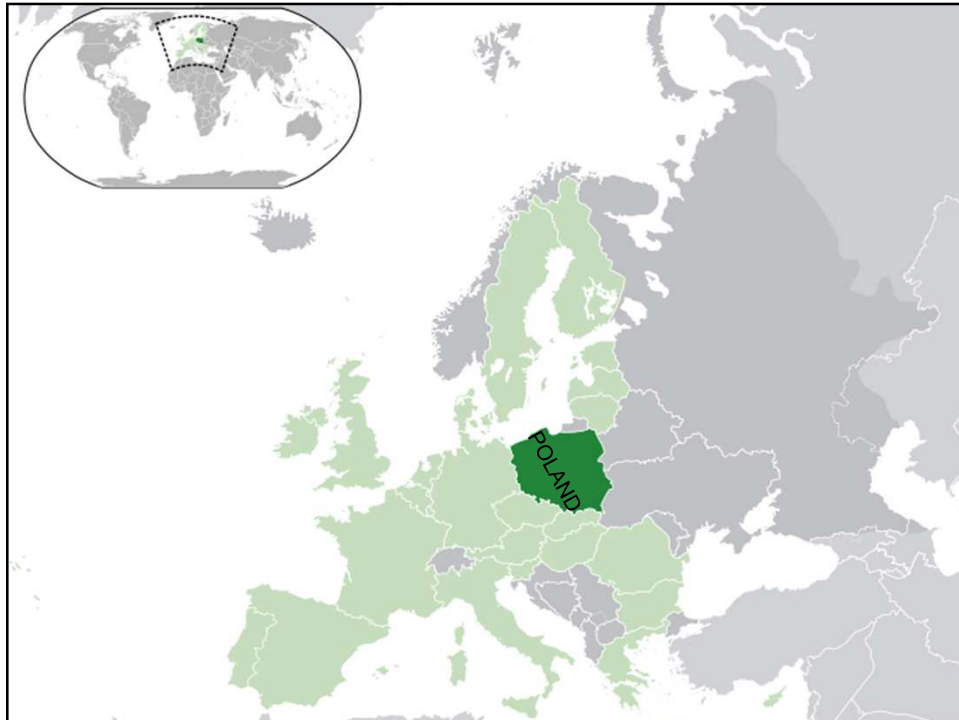
A few remarks about development of the Silesian Botanical Garden.

Part 3:

Botanical Garden in Radzionków

Part 1

Who we are and where we are?



Silesian Voivodship

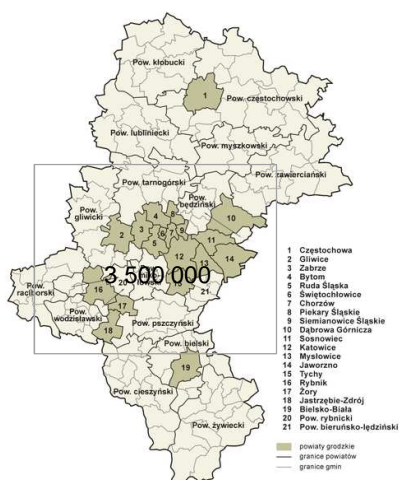


Coat of arms

Silesian Voivodship

- Population density 379 people per square kilometre (the national average - 124).
- Total 4,676,983
- Urban 3,675,602
- Rural 1,001,381

Silesian Voivodship

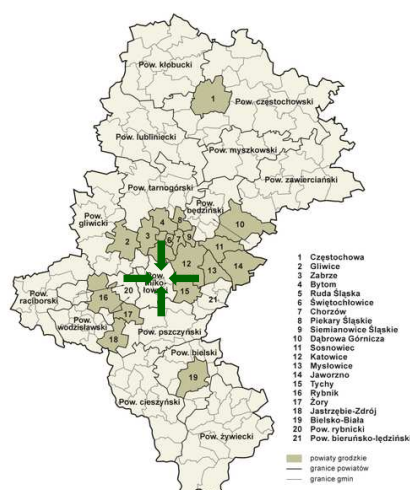


- **Administrative division**
- 36 counties (powiats)
- 167 gminas (communes)

Part 2:

A few remarks about development of
the Silesian Botanical Garden.

Where we are?



The Silesian Botanical Garden

- The SiBG was founded as a Union of Societies in May 2003
- The SiBG received permission from the Minister for the Environment in February 2006
- September 2011 – The SiBG moved to the new principal registered office
- Area – 100 ha
- Collections: 15
- Staff – 15 persons
- Visitors – c.a. 50 000 (10 000 in organized groups)

Our members:

Silesian Voivodship

Mikolow County

Raciborz County

Mikolow

Radzionkow

Raciborz

Lyski

Polish Academy of Sciences

Silesian University in Katowice

5 Societies

Supporting member:

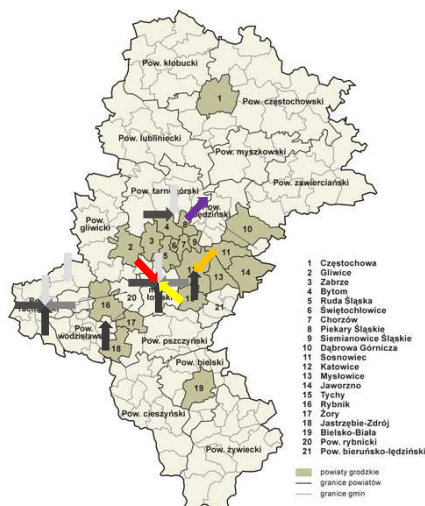
Upper Silesian Aviation Group (International Airport in Katowice)



Cooperation first!



- Botanical garden
- ↓ Gmina (commune)
- ← County
- ↑ Society
- ↖ Polish Academy of Sciences
- ↗ Silesian University
- ↘ Supporting member
- ↙ Volunteers



The first principal registered office (2003-2011)

Construction of the Centre for Ecological and Environmental Education (C3E) of the Silesian Botanical Garden in Mikolow – phase I

Regional Operation Programme SL

Priority: V – Environment

Activity: 5 – Natural Heritage

Total Project Cost: 9 119 073,97 PLN (2 300 000 €)

EU financing : 5 354 698,63 PLN



**PROGRAM
REGIONALNY**
NARODOWA STRATEGIA SPÓJNOŚCI



Śląskie.
Pozytywna energia

UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ
ROZWOJU REGIONALNEGO



Military bunkers for anti-aircraft missile system

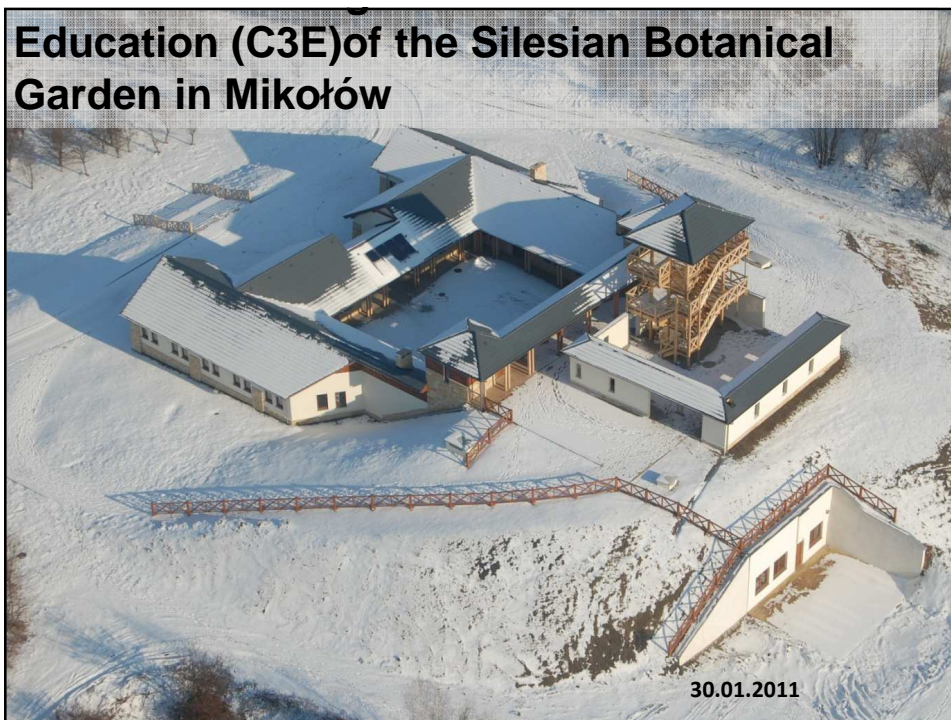
30.05.2010





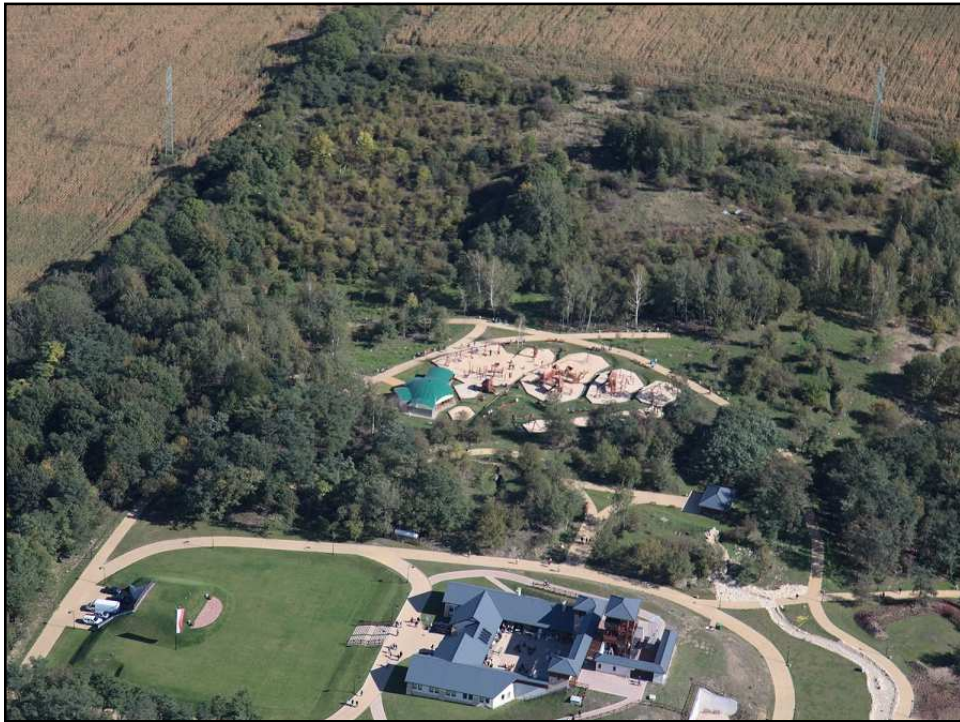
Since 2009 this project has been underway with the aid of Mikolow and EU-funding. A new SiBG Educational Centre building standing in 24 hectares of land, formerly part of a military base, was opened in 2011 a short distance from the original 100 hectare site.

30.01.2011











The program for adults and children

- ***“Leading Integrated Learning for Sustainable Development”***

A leader-training program first developed in 2009-10 for around 30 teachers and other adults who were prepared to lead program for pupils:

- ***“An Integrated View of Being in Nature”***

Five 4-hour educational events for children and teenagers per semester spread over three years to provide learning through direct experience of ecological systems.

Leading Integrated Learning for Sustainable Development



An Integrated View of Being in Nature



Master Sp. z o.o.



Other forms of ecological education in Silesian Botanical Garden



„Ecological workshops in SiBG” Botanical Garden



Dofinansowano ze środków
WFOŚiGW w Katowicach




Śląski Ogród Botaniczny

„Plants and a climate”



Dofinansowano ze środków
WFOŚiGW w Katowicach



„Naturally active”



Dofinansowano ze środków
WFOŚiGW w Katowicach



Śląski Ogród Botaniczny

Construction of the Centre for Ecological and Environmental Education (C3E) of the Silesian Botanical Garden in Mikołów – phase II

REGIONAL OPERATIONAL PROGRAMME FOR SILESIA VOIVODSHIP
FOR THE YEARS 2007 – 2013

Priority: V – Environment

Activity: 5 – Natural Heritage

Total Project Cost: 8 850 000,00 PLN (2 200 000 €)

EU financing : 7 522 500,00 PLN

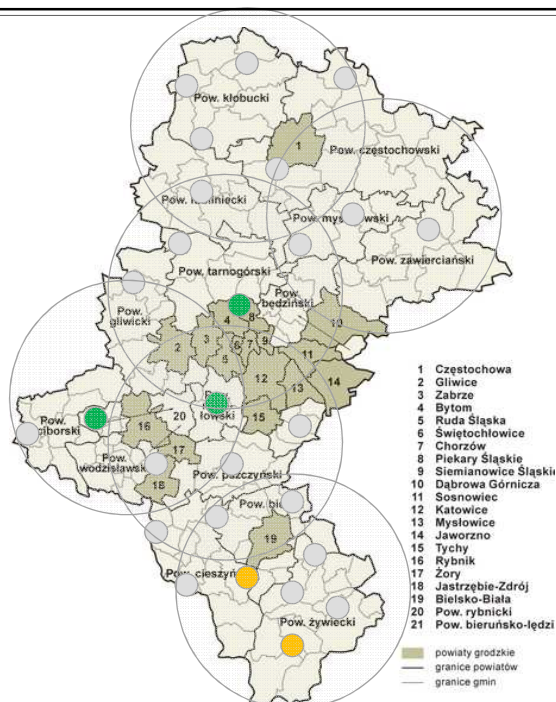


**PROGRAM
REGIONALNY**
NARODOWA STRATEGIA SPÓJNOŚCI



Śląskie.
Pozytywna energia

UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ
ROZWOJU REGIONALNEGO



Part 2:

The Botanical Garden in Radzionków

Construction of the Centre for Ecological Education (C3E) of the Botanical Garden in Radzionków

**REGIONAL OPERATIONAL PROGRAMME FOR SILESIA VOIVODSHIP
FOR THE YEARS 2007 – 2013**

Priority: V – Environment

Activity: 5 – Natural Heritage

Total Project Cost: 4 501 701,26 PLN (1 100 000 €)

EU financing : 3826446,071 PLN



**PROGRAM
REGIONALNY**
NARODOWA STRATEGIA SPÓJNOŚCI



Śląskie.
Pozytywna energia

UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ
ROZWOJU REGIONALNEGO

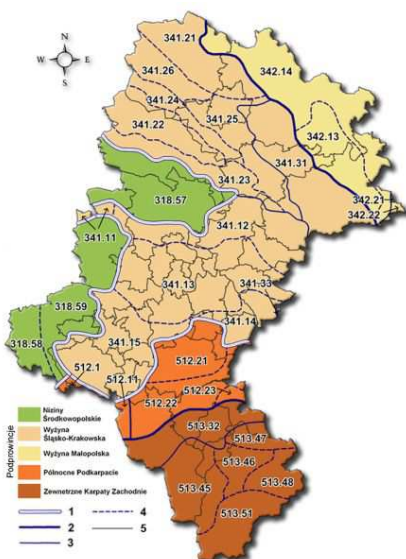


The Botanical Garden in Radzionków

- Secondary habitat creation in the Botanical Garden in Radzionków (xerothermic sward)
- Total costs – 400 000 PLN (100 000 €)
- Habitats translocation - from the International Airport in Katowice (Upper Silesian Aviation Group) to the Botanical Garden in Radzionków
- Total costs – 4000 000 PLN (1000 000 €)



**Geographical Regions in Silesian voivodship (from makroregion to meso-egion)
(Kondracki 2002)**

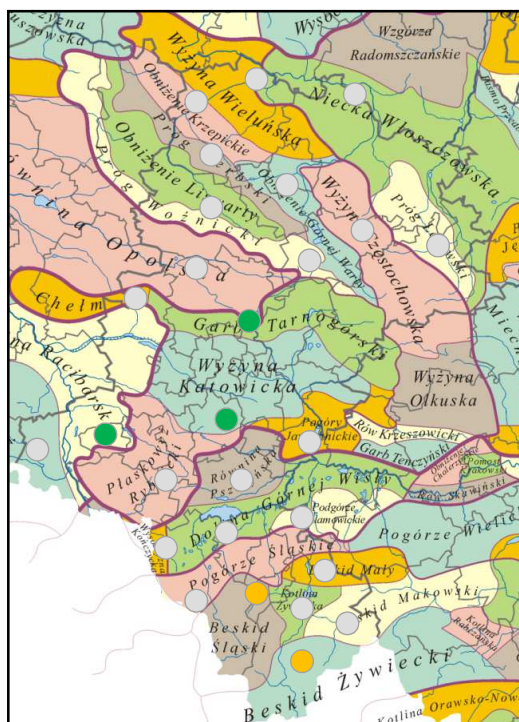


Silesian voivodship:

3 provinces
5 subprovinces
10 macro-regions
30 meso-regions

Macro-regions:

318.5 NIZINA ŚLĄSKA
341.1 WYŻYNA ŚLĄSKA
341.2 WYŻYNA WOŹNICKO-WIELUŃSKA
341.3 WYŻYNA KRAKOWSKO-CZĘSTOCHOWSKA
342.1 WYŻYNA PRZEDBORSKA
342.2 NIECKA NIDZIAŃSKA
512.1 KOTLINA OSTRAWSKA
512.11 512.2 KOTLINA OŚWIECIMSKA
513.3 POGÓRZE ZACHODNIOBESKIDZKIE
513.4-5 BESKIDY ZACHODNIE



Existing
botanical gardens

Potential
botanical gardens

Potential places for
botanical gardens