

Брестский государственный университет имени А.С. Пушкина
Brest State University named after A.S. Pushkin



Brest State University
named A.S. Pushkin



**Инновационные проекты,
реализуемые на базе Центра экологии БрГУ
имени А.С. Пушкина**

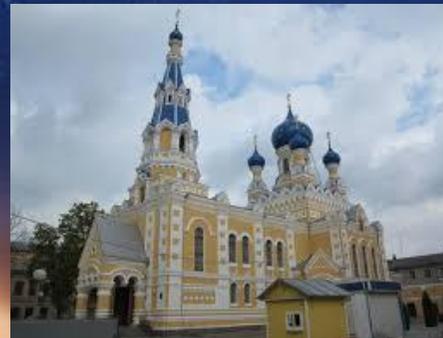
Innovative projects implemented in the Ecology Center of
BrSU named after A.S. Pushkin

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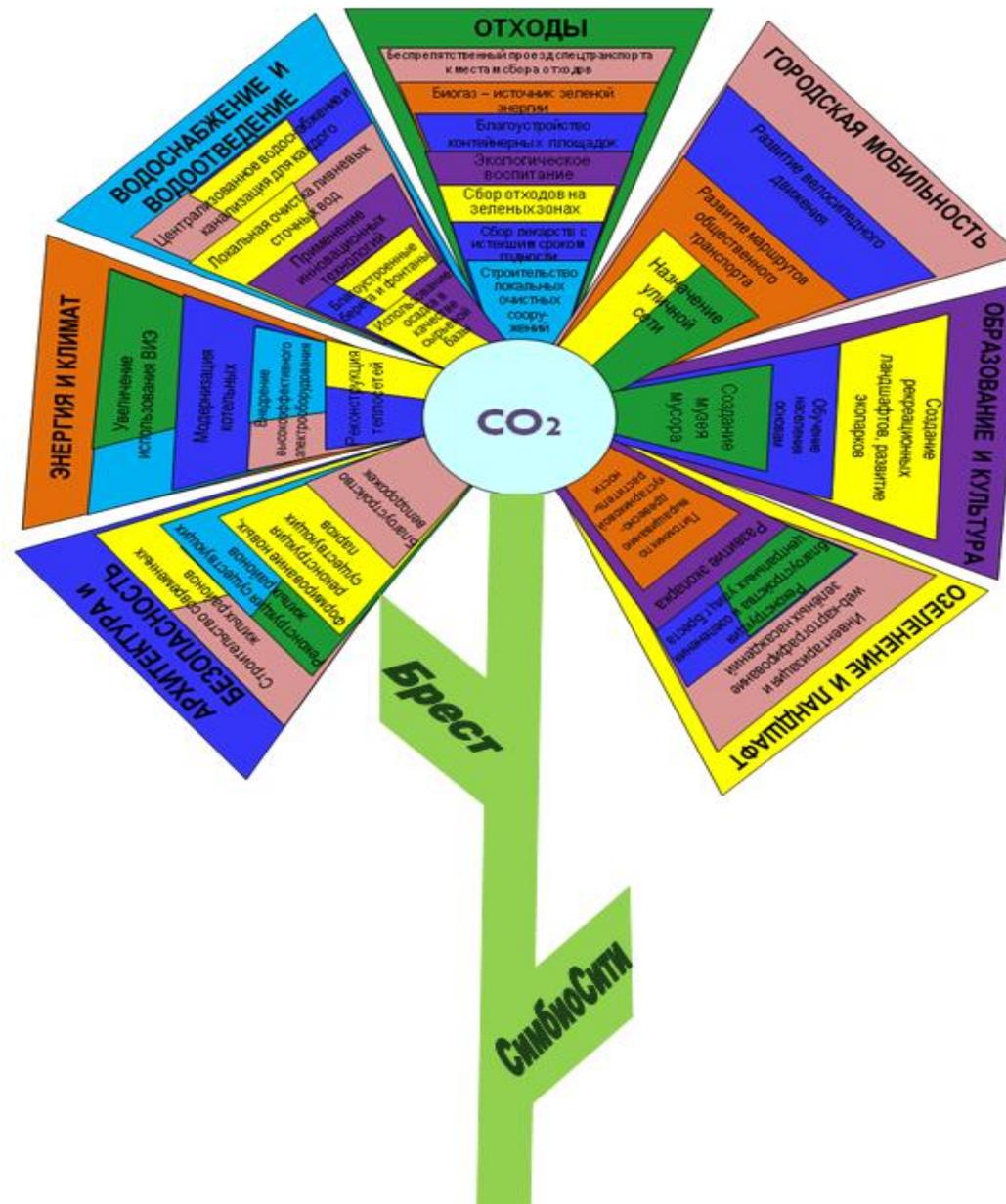


♊
Brest
1000 years!





BREST SIMBIO CITY



1 « ECOPARK »



Why do we create this ecological family park?

02

Education

We want residents and guests of Brest to have an opportunity to actively and interestingly spend time with their children and friends in an ecologically clean place.

01

Ecology

We want residents and guests of Brest to have an opportunity to spend time actively and interestingly with their children and friends in an ecologically clean place.



03

Recreation

We believe that every child has the right to spend time pleasantly, safely and enthrallingly in the company of his parents and peers.

Social mission

We create and develop a fundamentally new social infrastructure for family leisure in Brest, namely, park for recreation and training on the concept of an ecological family park.

We offer an original concept, which can be realized for ecologically valuable areas.

SWOT model of Eco park

STRENGTHS

Visually attractive landscape
A unique ecological object for Belarus (an arboretum with 300 species of exotic plants, 70 species of vertebrates)
Large area of mass events
Historical and cultural heritage? (9 fort of Brest, part of the fortification complex "Brest Fortress")
Location in the center of Brest
Employees - professional ecologists, botanists, teachers, etc.

WEAKNESSES

A significant requirement in the repair and development of the territory (buildings, bypass channel, etc.)
Significant costs (material and labor) at the input stage
Bad road access

No parking for vehicles, etc.

OPPORTUNITIES

Lack of similar facilities in Brest
Increasing the fashion and demand for family cognitive and active recreation
Realization of the potential of the employees and relations of the BrSU named after A.S. Pushkin
Involvement of investors and entrepreneurial initiatives
Implementation of projects of cultural and educational clusters, etc.

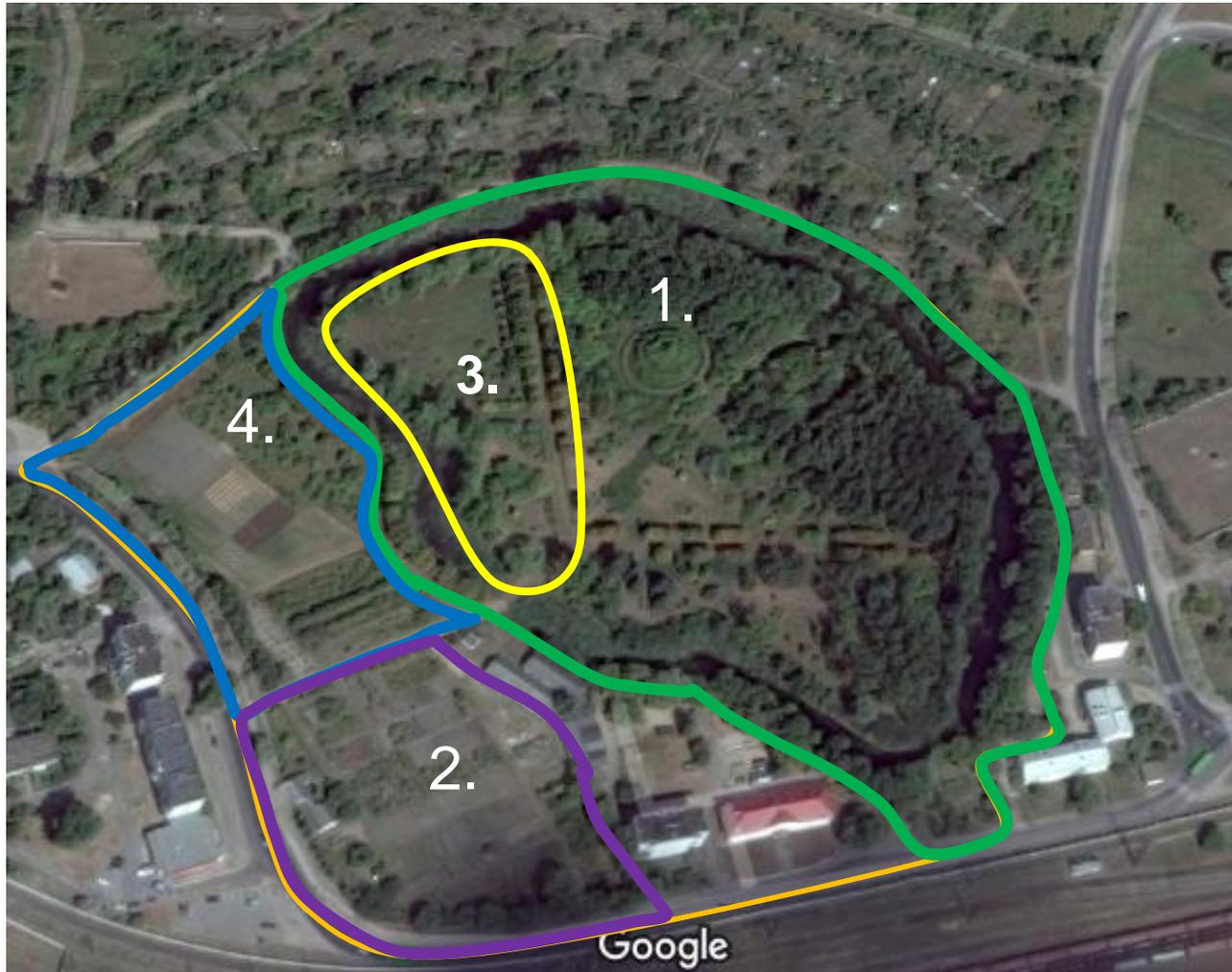
THREATS

Lack of funding
Prohibition / significant impediment to the construction / arrangement of the nature conservation area
Absence of constant flow of paying visitors
Administrative threats of change of the owner, etc.

Strategy

The functioning of the ecological family park in Brest should be based on the principles of "free choice" under which the fee is paid for the duration of the stay in the park, and not for visiting the attractions.

Functional zoning of Ecopark



zones:
1. Ecological
(landscape)
5 hectares

2. Agroecological
green technologies
(educational and
administrative)
2 hectares

3. Children's
attractions and a
recreational area
1 hectare

4. Active recreation
and sports tourism
2 hectares

Zone 1

Ecological path



1. Ecosystem. Succession
2. Fort # 9,
3. Pine forest,
4. Green technologies
5. Beavers
6. Introduction
7. Deciduous forest
8. Birds and people
9. The pond
10. Protection of nature

Zone 1+3 Landscaping



Possible types of parks

1. "Chinese"
2. "Dutch"
3. "Italian"
4. "English"
5. "French"

Zone 2. Agroecotechnologies (greentechnologies) eco house

Installations:

- Ecohouse (model)
- Wind, solar and thermal power mini-stations
- Organic farming
- Collection and recycling of waste
- Cleaning and bioremediation of contaminated soils and waters



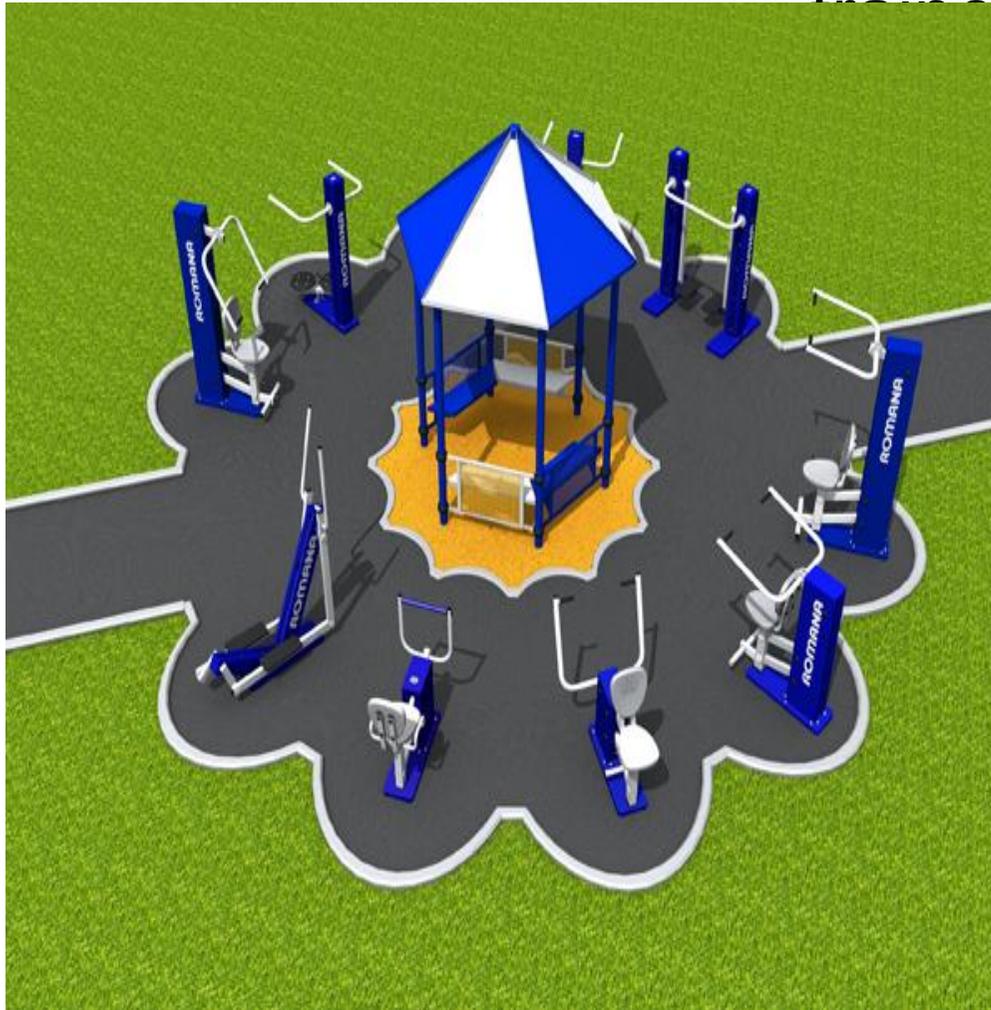
Zone 2. Agroecotechnology



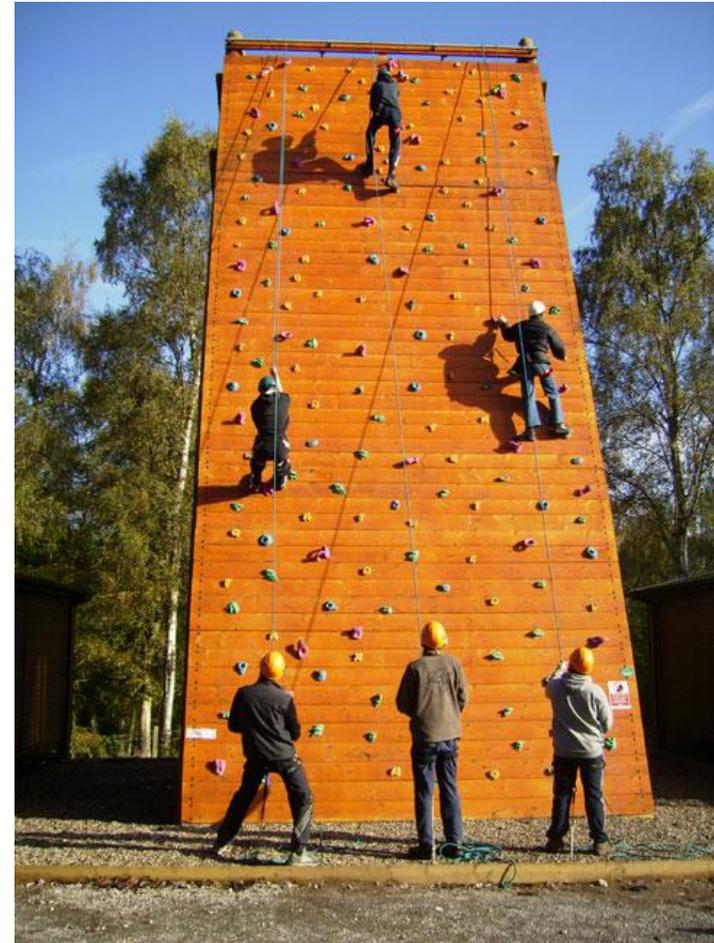
Zone 3. Children's playground of attractions and trainers



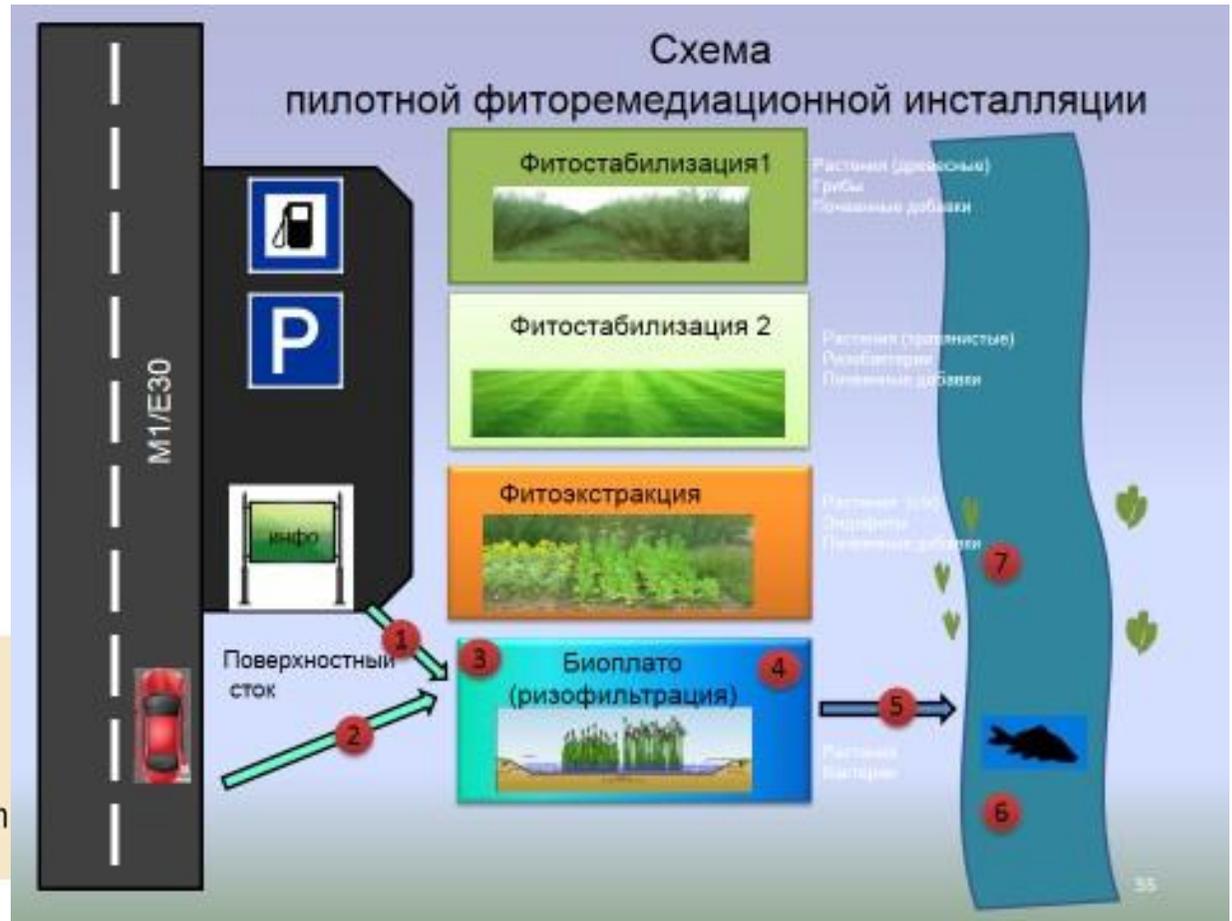
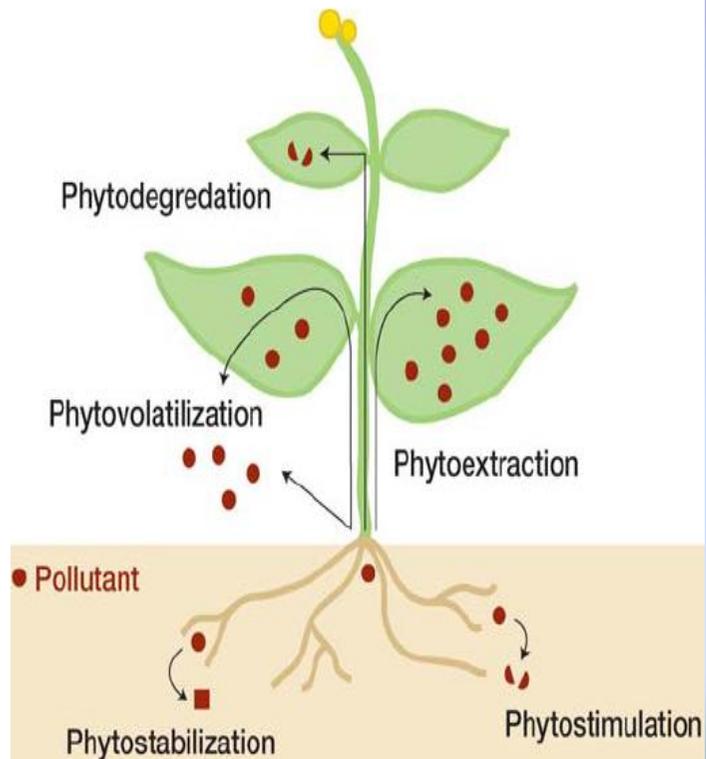
Zone 3. Children's playground of attractions and trainers



Zone4. Adventures



2 Phytoremediation



3. ГПНИ «Оценка морфофизиологической и генетической активности brassinостероидов и стероидных гликозидов для расширения спектра действия биорегуляторов растений стероидной природы», » № ГР 20160577 (2016-2020)



4. Международный белорусско-сербский научно-технический проект (2018-2019)

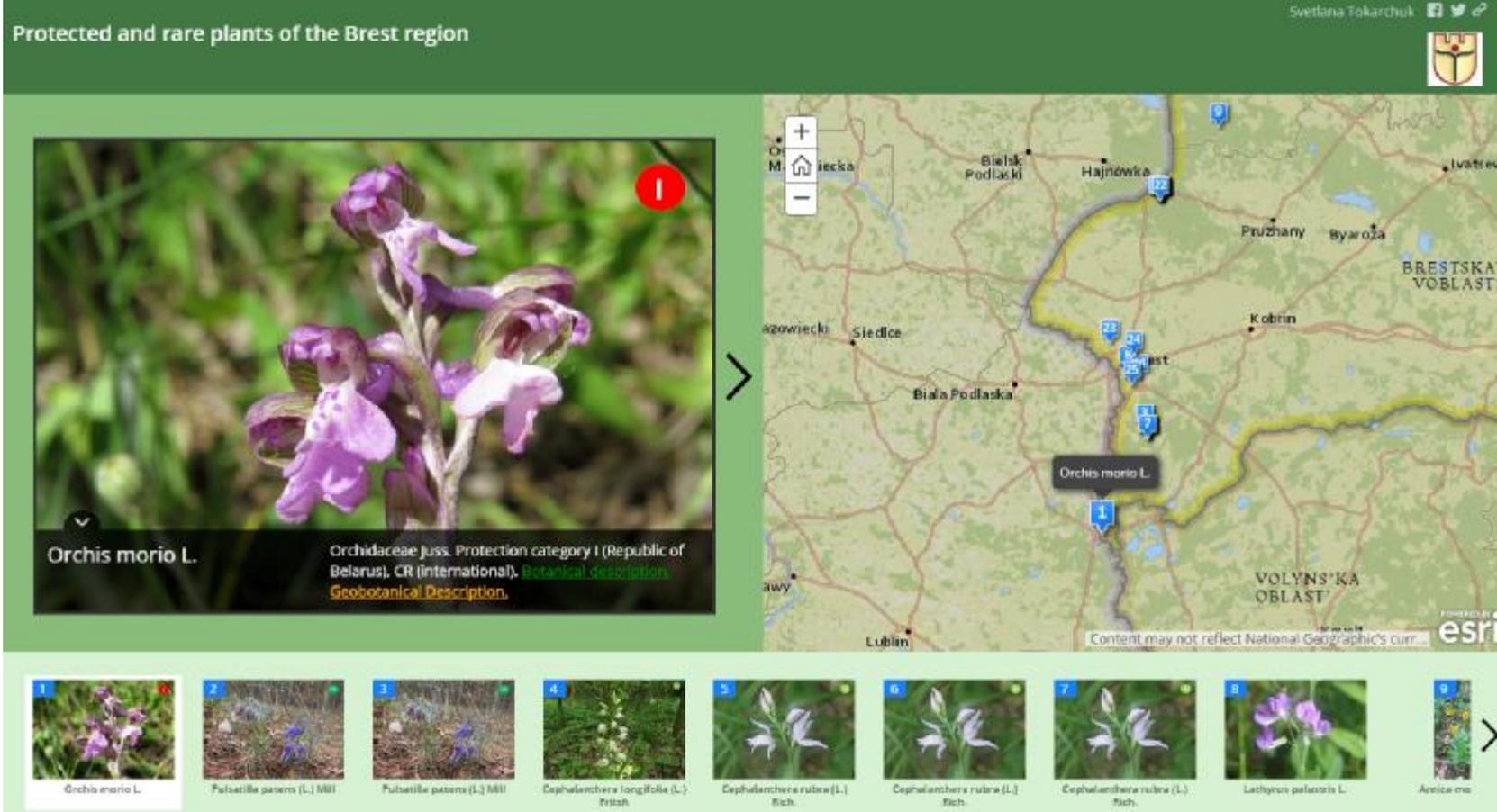
Фенольные соединения и антиоксидантная активность плодов вишни и черешни сербской и белорусской селекции



5. «Применение адаптированных методик инвентаризации, мониторинга, отбора образцов и создания картографических web-приложений популяций редких растений в Брестском регионе» (2017-2018)

Protected and rare plants of the Brest region

Svetlana Tokarchuk



Orchis morio L.
Orchidaceae Juss. Protection category I (Republic of Belarus), CR (international). [Botanical Description](#), [Geobotanical Description](#).

Map labels: M. Jezka, Bielsk Podlaski, Hajniówka, Pruzhany, Byaroża, BRESTSKA VOBLAST', Kobryn, Siedlce, Biała Podlaska, Brest, Lublin, VOLYN'SKA OBLAST'.
Map numbers: 9, 22, 23, 24, 25, 17, 1.

Content may not reflect National Geographic's current data. esri

Gallery items:

- 1. *Orchis morio L.*
- 2. *Pulsatilla patens (L.) Mill.*
- 3. *Pulsatilla patens (L.) Mill.*
- 4. *Cephalanthera longifolia (L.) Fritsch*
- 5. *Cephalanthera rubra (L.) Fitch*
- 6. *Cephalanthera rubra (L.) Fitch*
- 7. *Cephalanthera rubra (L.) Fitch*
- 8. *Lathyrus palustris L.*
- 9. *Arnica montana L.*

<http://www.brsu.by/ecology>



Thank you for your attention!