



**National University of Life and
Environmental Sciences of
Ukraine**

**Institute of Forestry and Landscape-Park
Management National University of Life and
Environmental Sciences of Ukraine: achievements
and perspectives areas of co-operation**

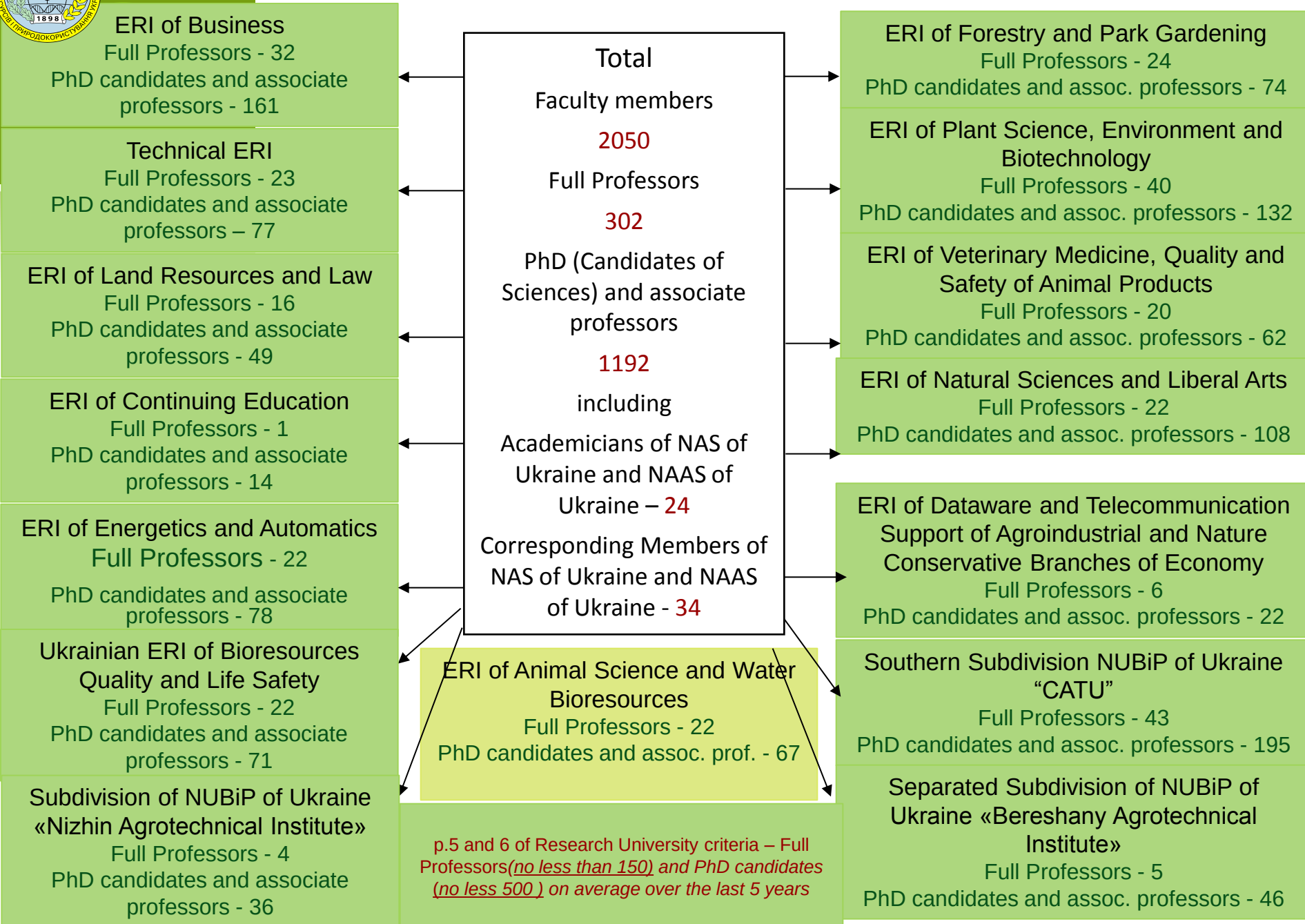


**EDUCATION AND RESEARCH INSTITUTE OF FORESTRY AND
LANDSCAPE ARCHITECTURE**

DIRECTOR, DR. PROF. PETRO LAKYDA



SCIENTIFIC POTENTIAL OF NULES OF UKRAINE



MEMBERSHIP OF NULES OF UKRAINE IN INTERNATIONAL ORGANIZATIONS



Food and Agriculture
Organization of the
United Nations
for a world without hunger

UNESCO

GCHERA

IUFRO

EFI

EAVA

FVE

WAVA

WAIVM

TPSA

NACEE

SAE International

EUROSCIENCE



- ICA: IROICA, AGRIMBA

- Horse International Federation



- The Rectors' Council of Leading Agrarian Universities of CIS Countries etc.



STRUCTURE OF THE IFLPM

1) Forestry

Faculties:

2) Park-Gardening and Landscape Architecture

Departments:

- 1) Silviculture
- 2) Reforestation and Afforestation
- 3) Biology of Forest and Wildlife
- 4) Forest Amelioration
- 5) Forest Management
- 6) Forest Mensuration and Inventory
- 7) Forestry Operations
- 8) Technologies of Wood Processing
- 9) Dendrology and Tree Breeding
- 10) Landscape Architecture and Park-gardening
- 11) Horticulture and Phytodesign

3) Research Institute of Silviculture and Decorative Gardening

4) The Bojarka Forest Experimental Station (18 000 ha of forest lands)

5) The Botanical garden (640 taxones)

FACULTY, STUDENTS, PROGRAMS & FACILITIES



Students total – 1785

Bachelors – 1297

Masters – 488

Faculty members – 119

Full professors 17

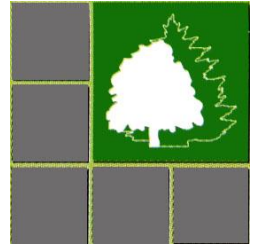
Candidate of Sci. 63

Staff total – 252



Education Programs in the IFLPM:

Ms. Forestry(4), Ms. Forest Sci.(3)., Ph.D.(4), Dr. Sci. (4)



Faculty of Park-Gardening and Landscape Architecture

DEPARTMENTS

EDUCATION AND RESEARCH CENTER OF DECORATIVE HORTICULTURE AND PHYTODESIGN

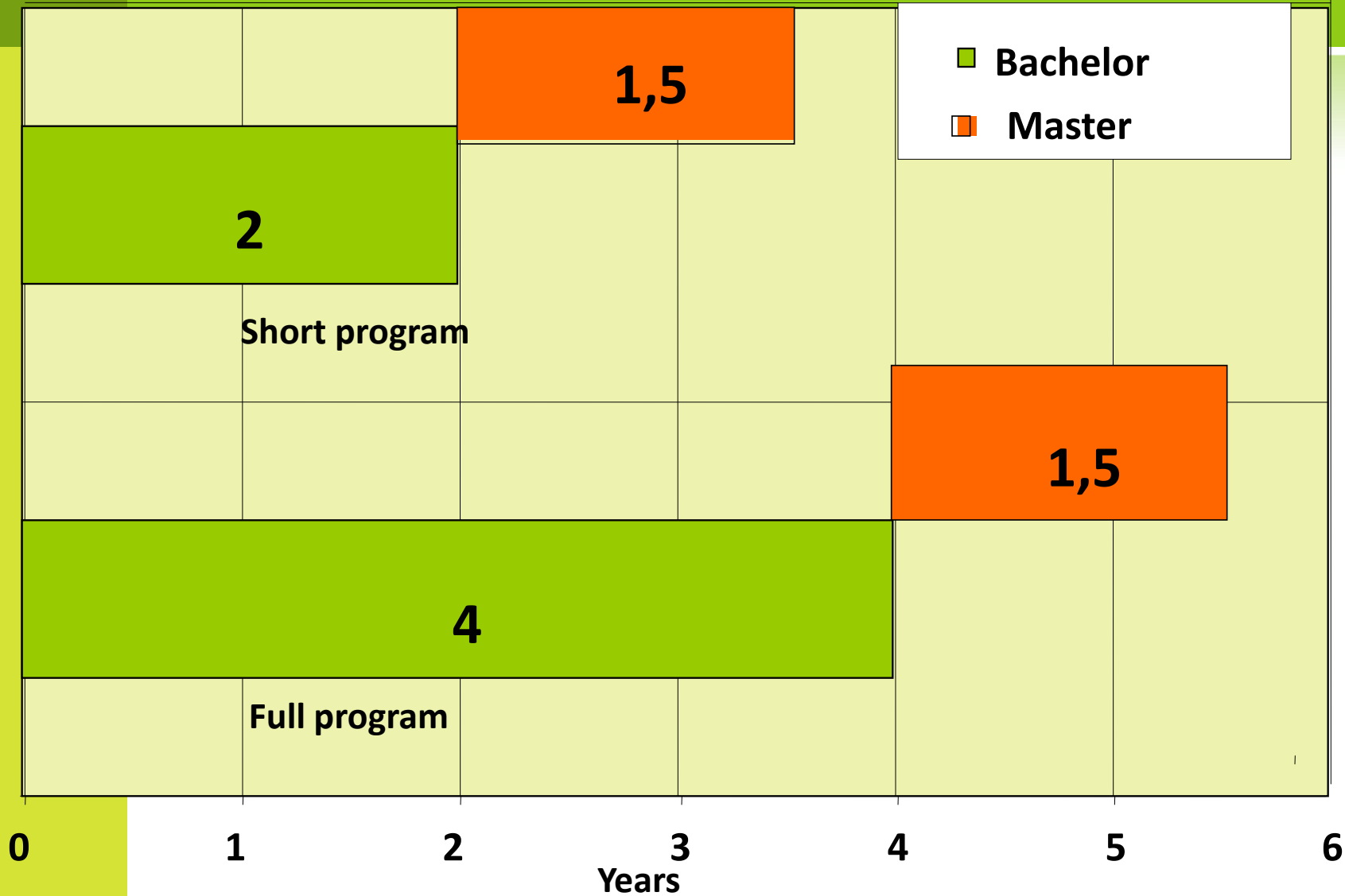
Dendrology and
Forest Trees
Propagation

Landscape Architecture and
Park-Gardening
Construction

Decorative
Horticulture and
Phytodesign

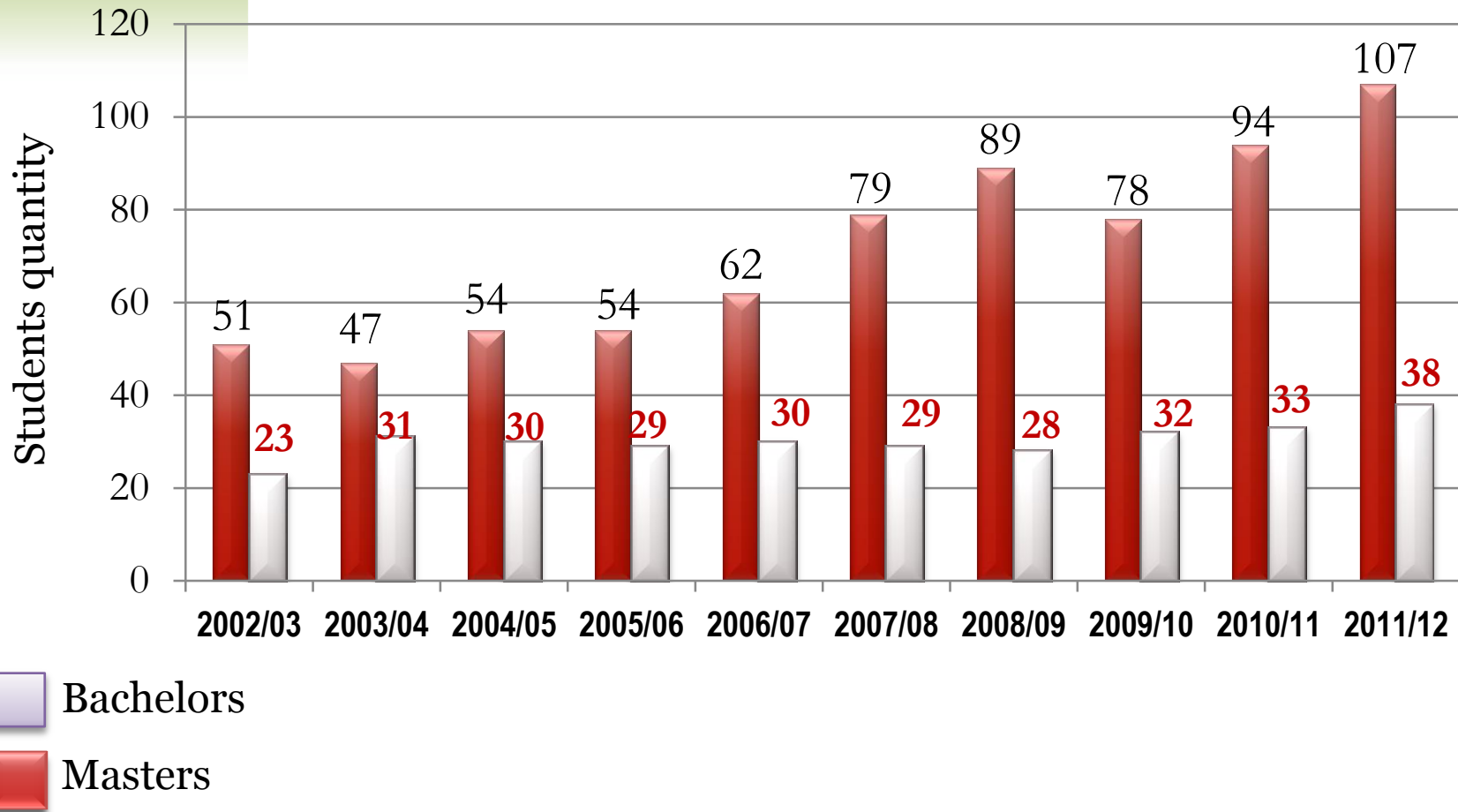
Professors	1	2	1
Assistant professors	5	6	4
PhDs	2	1	1
Non-defended PhDs	1	2	1
Total staff	8	8	6
Total dual job-holders	3	3	1
Postgraduates	5	5	4

STUDY STRUCTURE



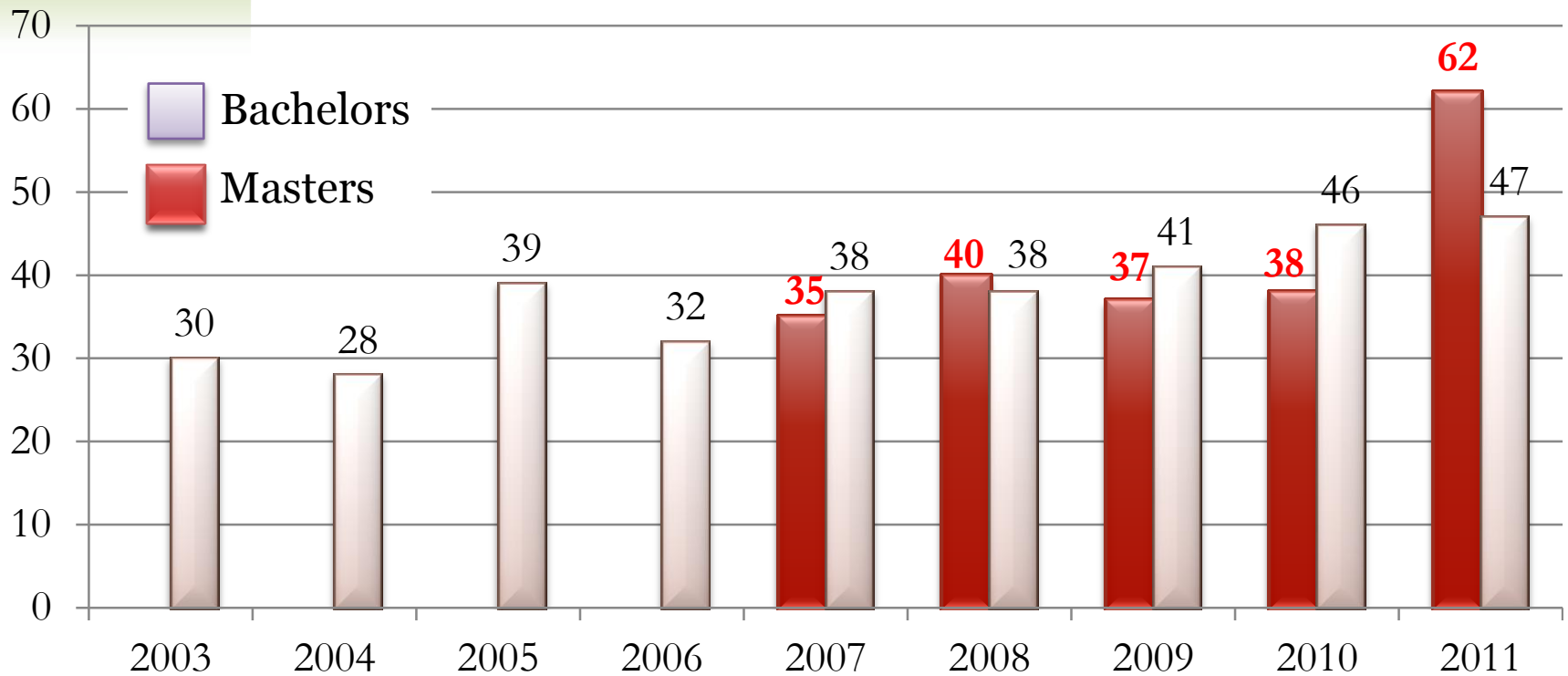
STUDENTS

Resident students

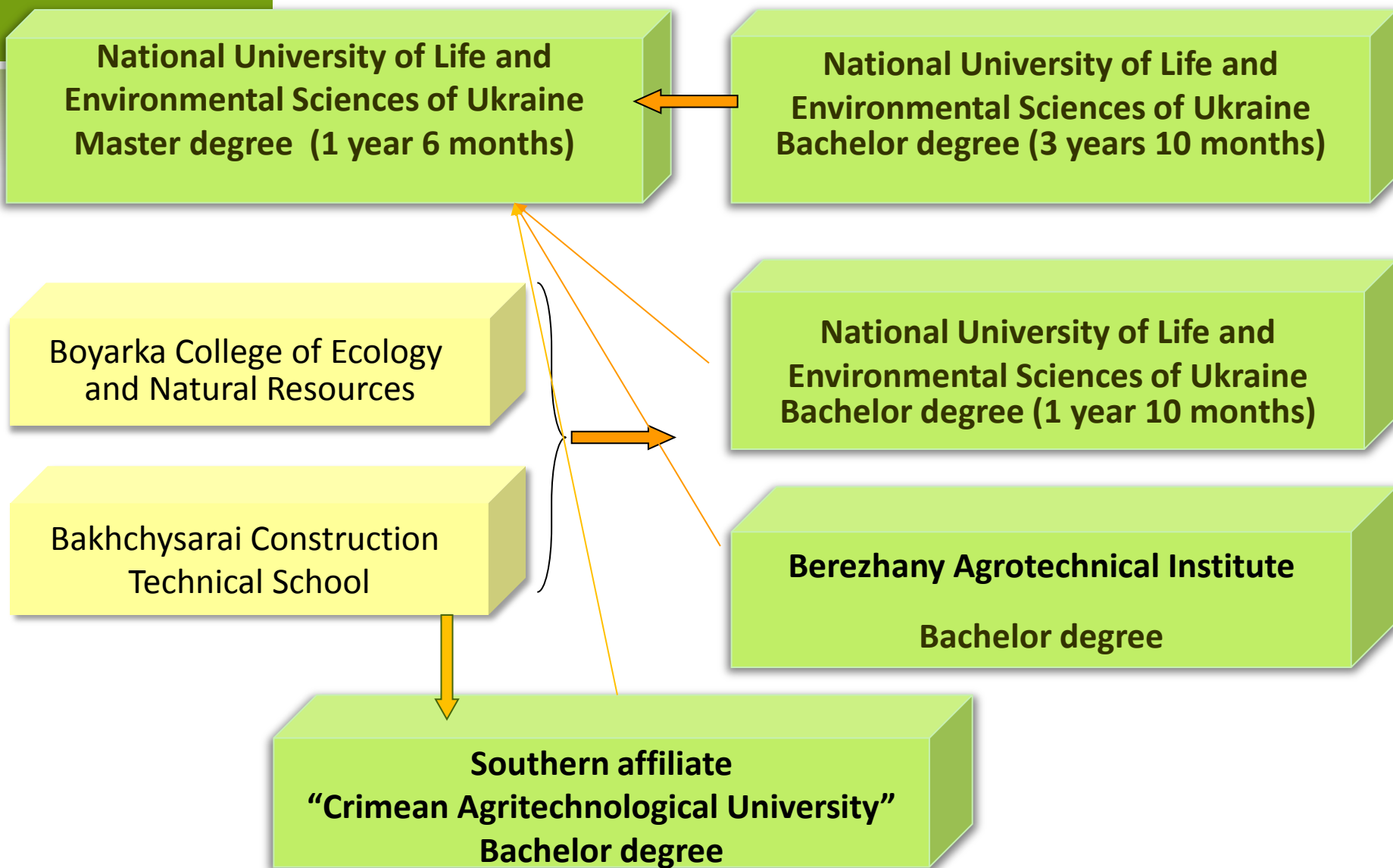


STUDENTS

Correspondence students



INTEGRATION OF KYIV TERRITORIAL CENTER AND LOCAL HIGHER EDUCATION INSTITUTES



MASTER PROGRAMS

Academic year	Total amount	Landscape Architecture	Decorative Gardening	Park-Gardening Management	Ornamental Nurseries	Parks Conservation Study	Science Oriented Conservation and Use of Woody Plants Diversity in Decorative Plantations
2006-2007	30	15	11	-		3	-
2007-2008	28	14	8	3		3	-
2008-2009	28	1	22	4		-	1
2009-2010	32	11	16	-	5	-	-
2010-2011	33	13	8	-	5	3	4
2011-2012	38	20	7	-	6	4	1

MASTER PROGRAMS

Research	Practice	Specific
Science Oriented Reproduction of Ornamental Woody Plants	Golf and Sports Turf Studying	Administrative Management in Park- Gardening
Theoretical Base and Science Oriented Propagation of Decorative Woody Plants	Interior phytodesign	Quality, Standardization and Certification of Ornamental Nurseries Production
Phytodesign	Floriculture of Open and Protected Ground	Methods of subjects teaching in Park-Gardening

STUDY



- ◎ Students' scientific activities is coordinated by Scientific Club of Student Organization, Dean's Office and Education and Research Institute
- ◎ There are 5 students' scientific clubs to facilitate students' self-education, extend knowledge and realize students' scientific potential



INTERNATIONAL ACTIVITIES



“Second Workshop of German and Ukrainian Young Scientists in Agriculture” (30th of October – 4th of November, 2010) organized by Faculty of Agriculture and Horticulture, **Humboldt-Universität zu Berlin** (Humboldt University of Berlin)



INTERNATIONAL COMPETITION “THE GARDENS OF THE NATIONS” IN TARGOSZYN ORGANIZED BY WROCŁAW UNIVERSITY OF ENVIRONMENTAL AND LIFE SCIENCES



THE GARDEN OF NATIONS' SUMMER SCHOOL 2012 3 THE GARDEN OF UKRAINE



SYNOPSIS

The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie.

A complex site inventory and analysis has been carried out as a result of the project. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie.

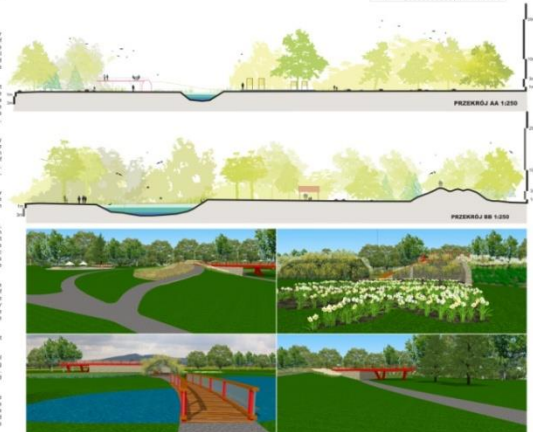
The design concept for the Garden of Ukraine is based on the idea of a 'Tree of Life'. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie. The aim of the project is to develop a design proposal for the Garden of Ukraine, the first part of the Garden of Nations program in Targoszyn, Chłopska Polesie.

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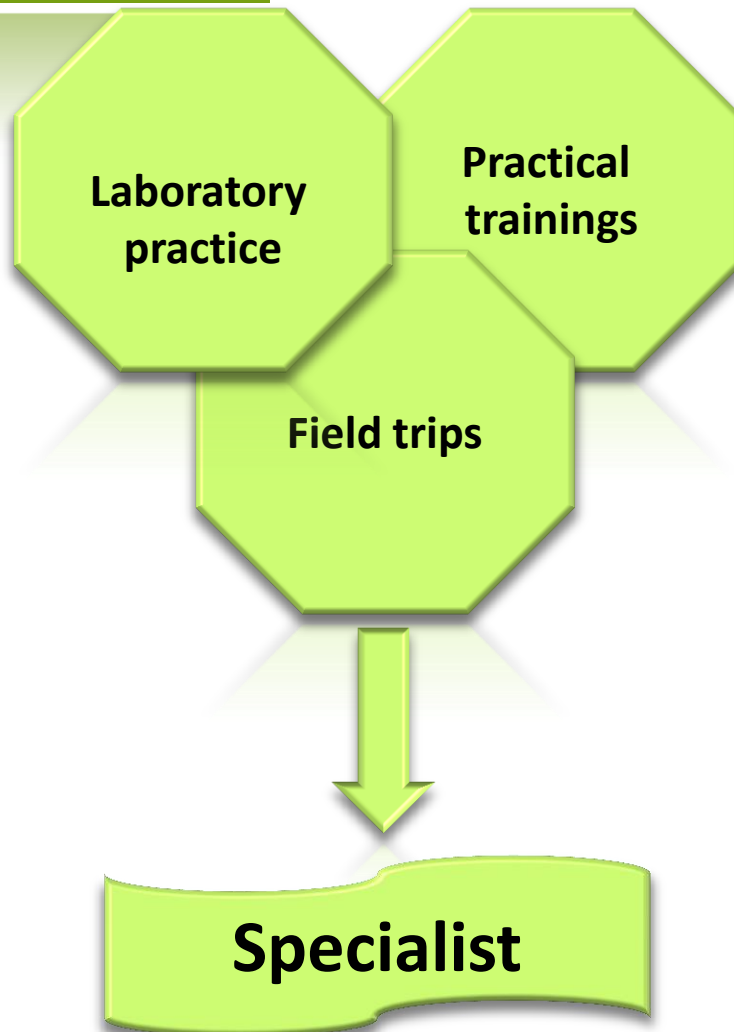
STUDENT ORGANIZATION

17

- Student social events and activities
- Sporting activities
- Student government
- Social conditions



PRACTICAL TRAINING CONCEPT



Annual City Flower Exhibition. Student project. 2008

SCIENTIFIC LABORATORIES



PRACTICAL TRAINING BASES

"Kyivzelenbud" Municipal Enterprise

The Botanical Garden of the NUBiP of Ukraine

Academic buildings and hostels

Scientific and research centers:

Boyarka Forest Research Station

Agronomic Research Station

"Velykosnytsinske" Education and Research Farm

Education and Research Farm "Vorzel"

University Public Garden

The House of Veterans



PRACTICAL TRAINING OF STUDENTS ON EXPERIMENTAL NURSERY

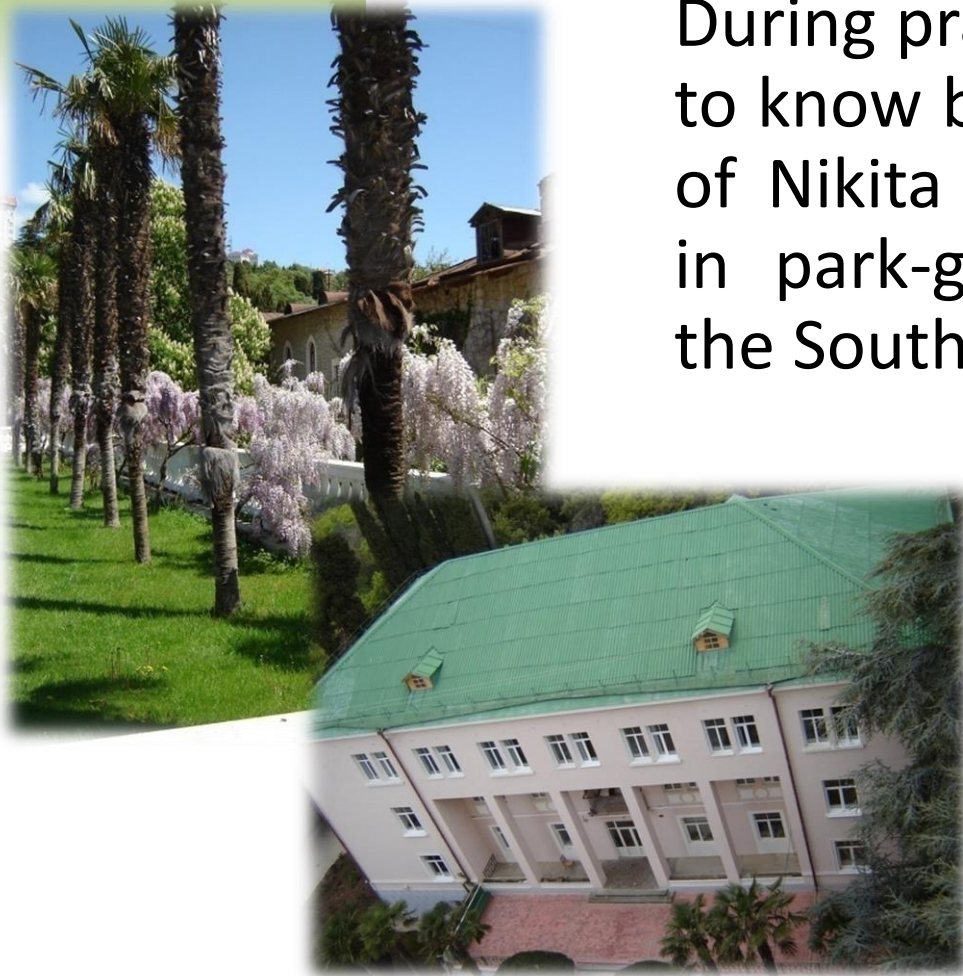


PRACTICAL TRAINING IN EDUCATIONAL RESEARCH ENTERPRISE



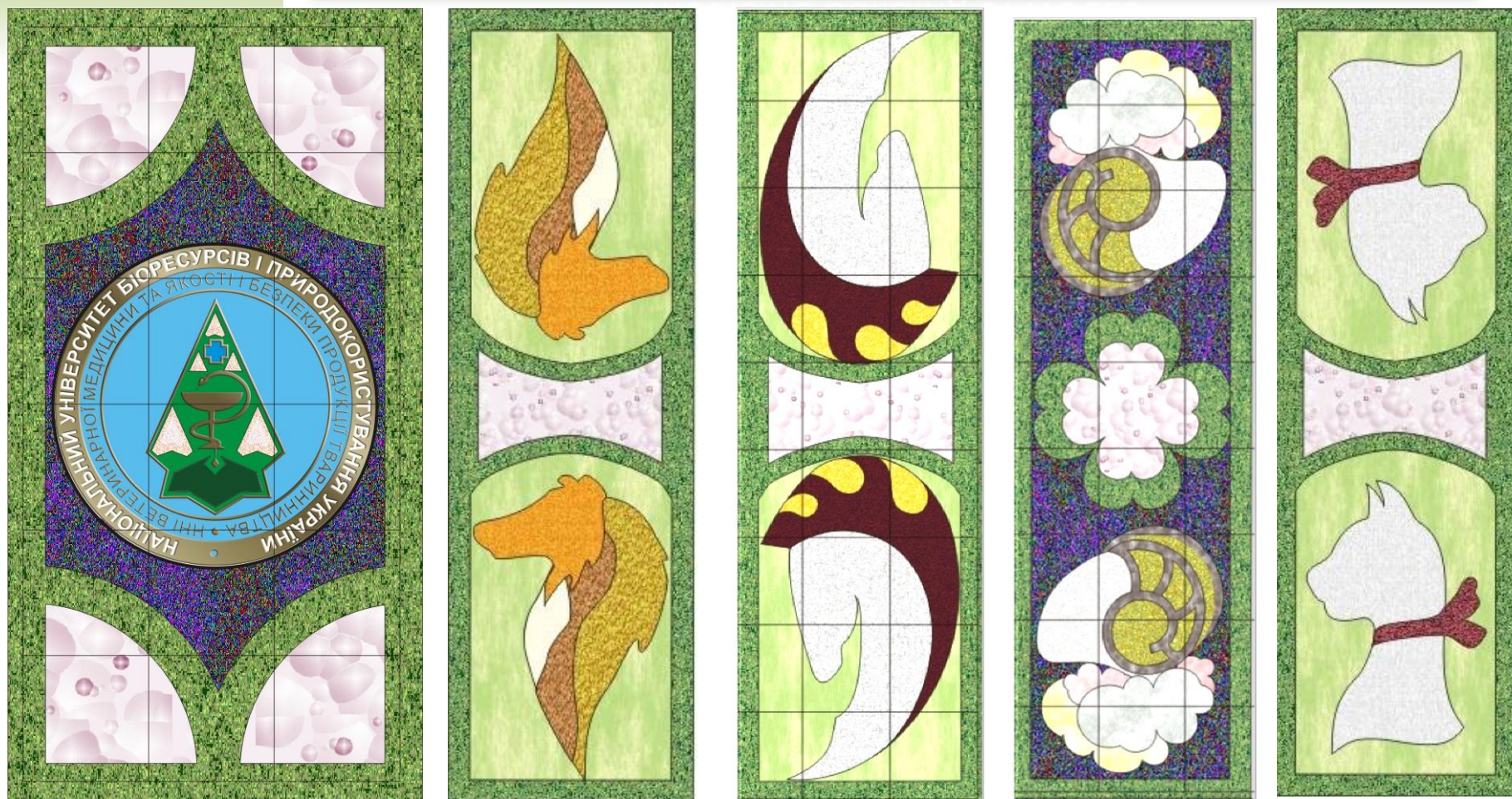
YALTA SCIENTIFIC CENTER OF SUBTROPICAL PLANTS BIOLOGY AND ECOLOGY AND LANDSCAPE SCIENCE

During practical training students get to know better with plant collections of Nikita Botanical Garden, practice in park-gardening in conditions of the Southern Coast of Crimea



Flower bed reconstruction near the Education and Research Institute of Veterinary Medicine and Quality and Safety of Livestock Products. Students and lecturers joint project

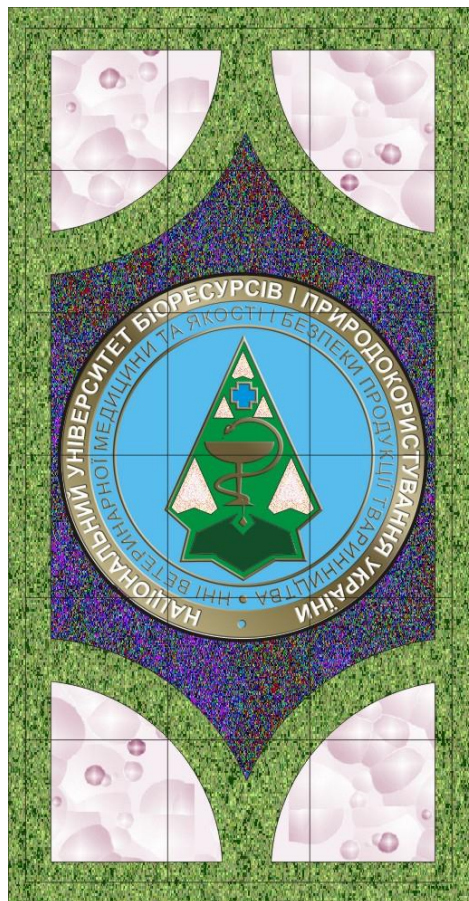
Thematic flower composition of the central alee of Veterinary medicine building of NULES



Flower bed reconstruction near the Education and Research Institute of Veterinary Medicine and Quality and Safety of Livestock Products. Students and lecturers joint project



Emblem of the Faculty
of veterinary medicine



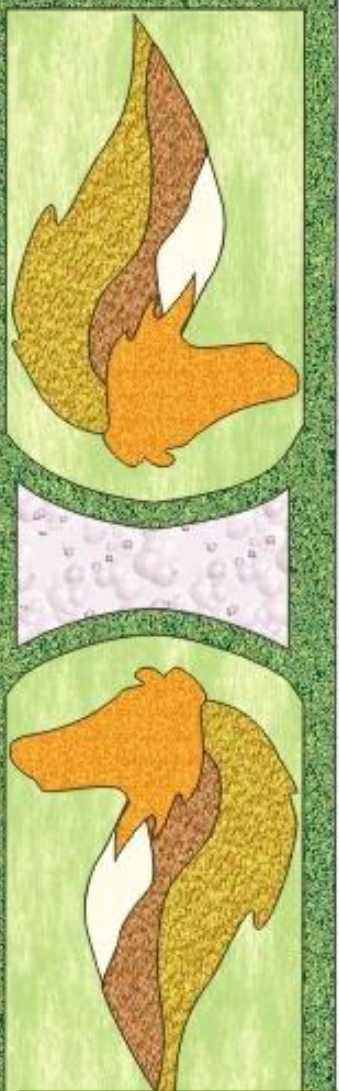
Esquisse of flowers
composition



Thematic flower composition on
central allee of Veterinary
medicine building of NULES

Flower bed reconstruction near the Education and Research Institute of Veterinary Medicine and Quality and Safety of Livestock Products. Students and lecturers joint project

Stages of implementation of project solution



Esquisse of thematic flower

Actual directions of research

Protection of old growth trees

Mapping of old trees,
development of
measures for
reconstruction

Measures for
protection

Assessment of stand
health, their protection
and enrichment of
biodiversity under
urban environment and
selection of resistant
forms

Monitoring and
assessment of
health selection of
resistant plants

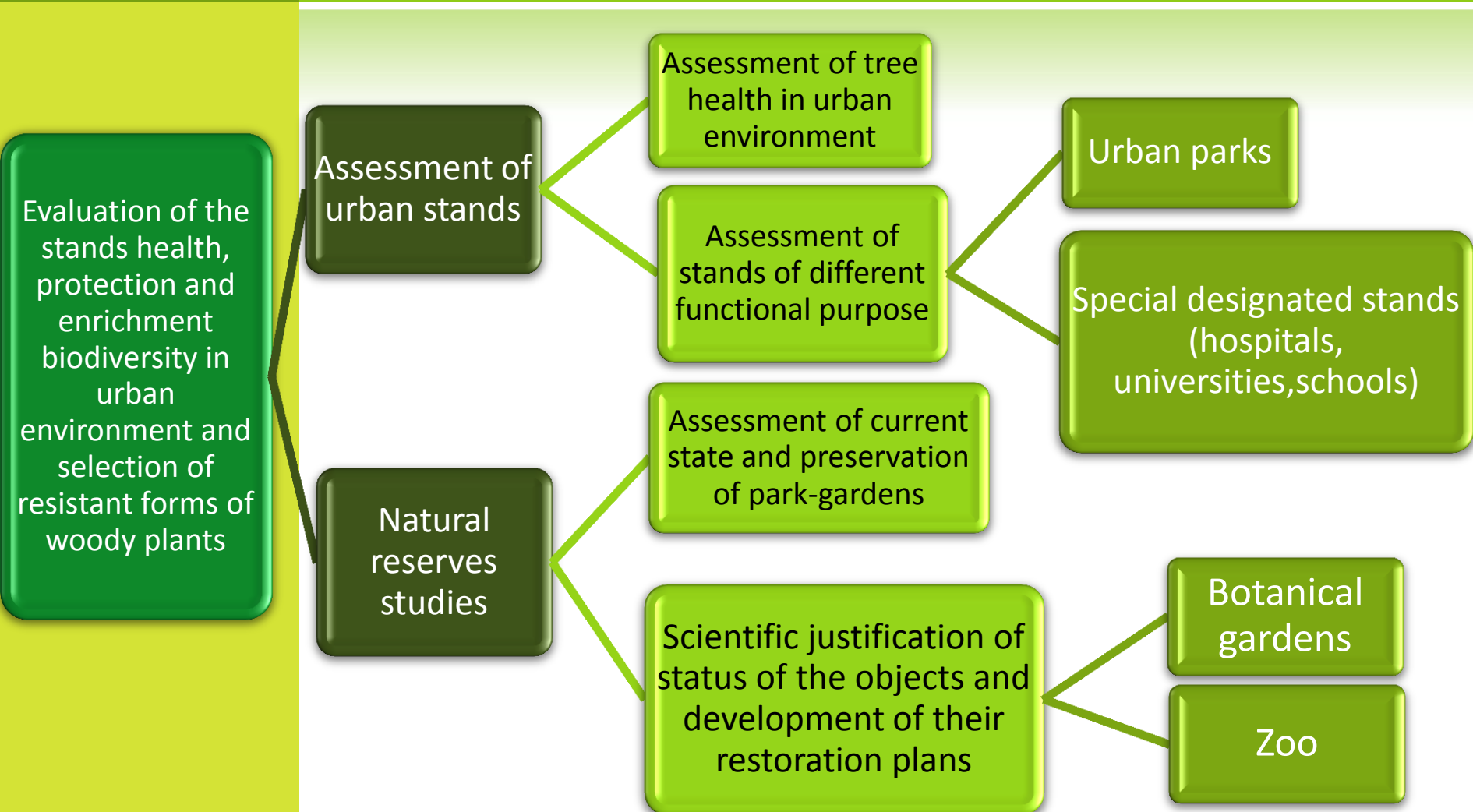
Proposals for
improvement of health,
development of methods
of plant propagation
resistant for urban
environment

Restoration and
adaptation of park-
gardening
memorials

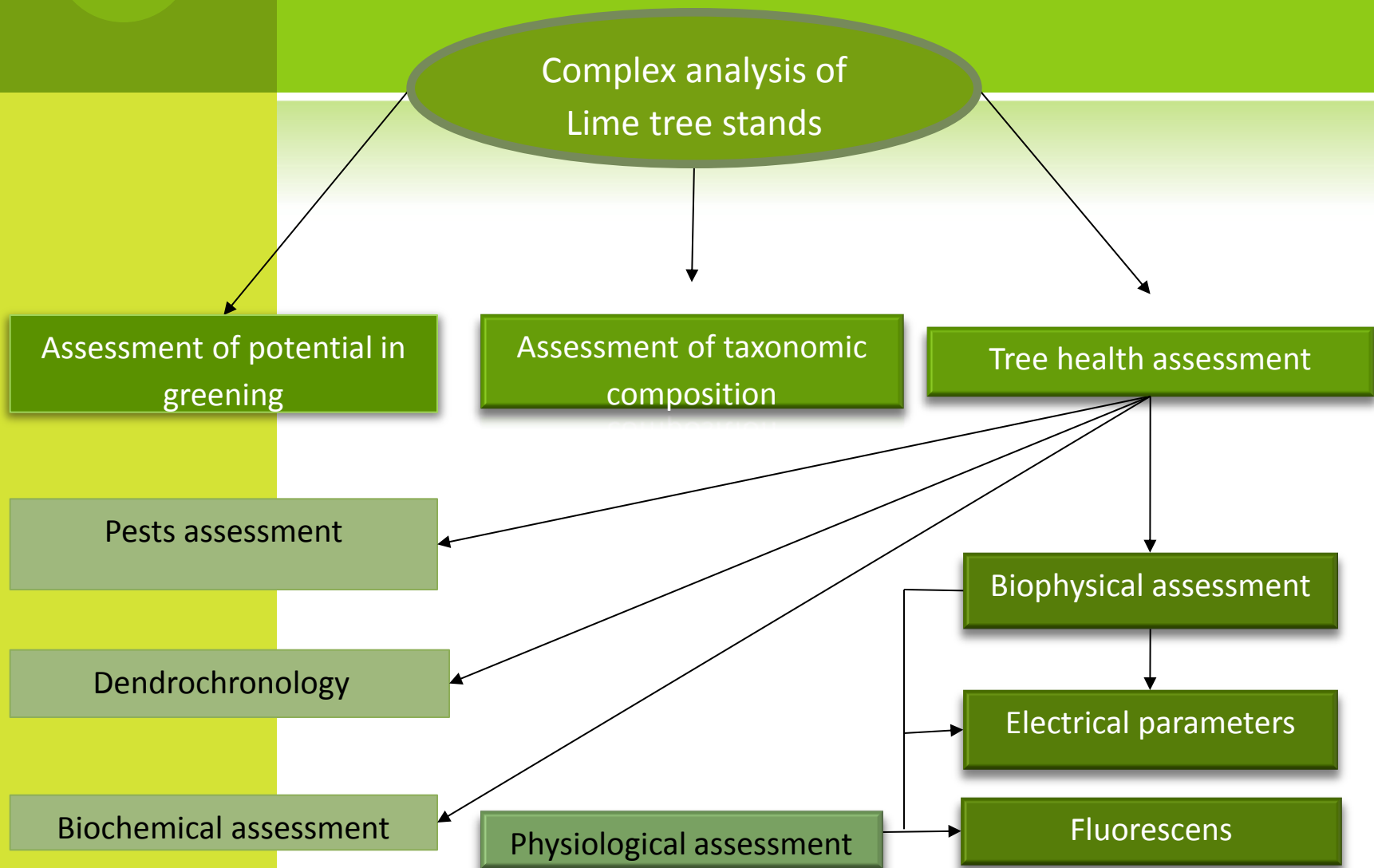
Analysis of current
state and level of
survival

Proposals for
restoration and
adaptation of object to
current conditions

STAGES OF STUDY



Scheme of complex assessment of the tree health in urban environment



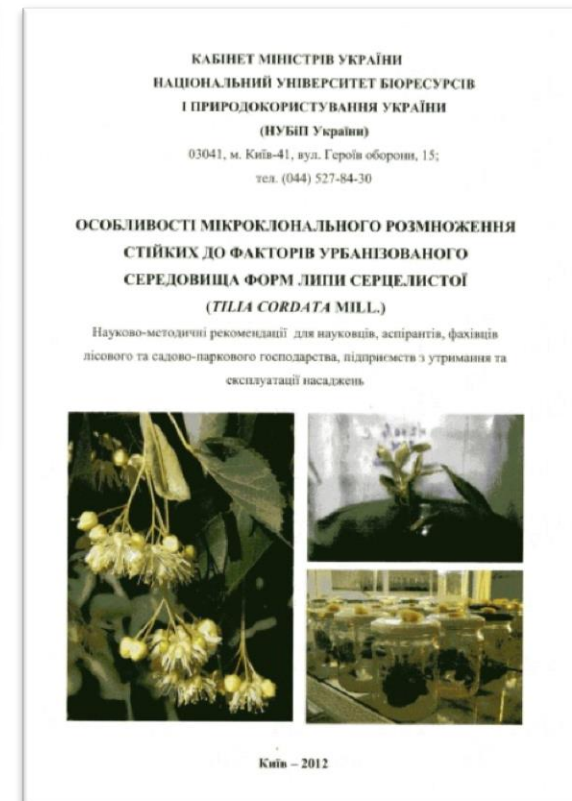
DEVELOPMENT OF BIOLOGICAL AND TECHNOLOGICAL BASIS OF TREE PLANTS FOR URBAN LANDSCAPES (2008-2012)

To determine level of resistance and tolerance of *Tilia* L. for urban environment

Selected potentially resistant trees of different *Tilia* L. (48 trees) for use as material for selection



Micro shoots *Tilia cordata* Mill.



MARKING OF VISUAL POINTS

- The object of study is park of National technical university "Kyiv Politechnica" (S=14 ha)



Умовні позначення

	закриті простори
	напіввідкриті простори

	меморіальна зона
	ділянки, які підлягають збереженню

	композиційний вузол
	збережена перспектива
	порушена перспектива



Selected **20 main visual points**, their photos taken during Autumn period (14.10.2012)

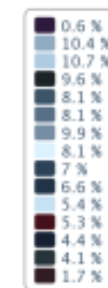
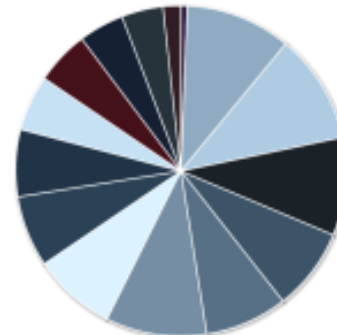
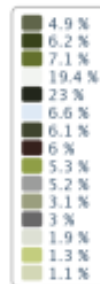
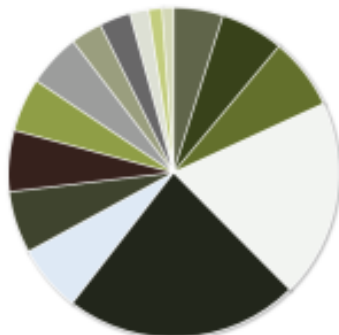
ANALYSIS OF VISUAL POINTS (VP 1)



Original photo
(14 October 2012,
8 February 2013)



Simplified photo



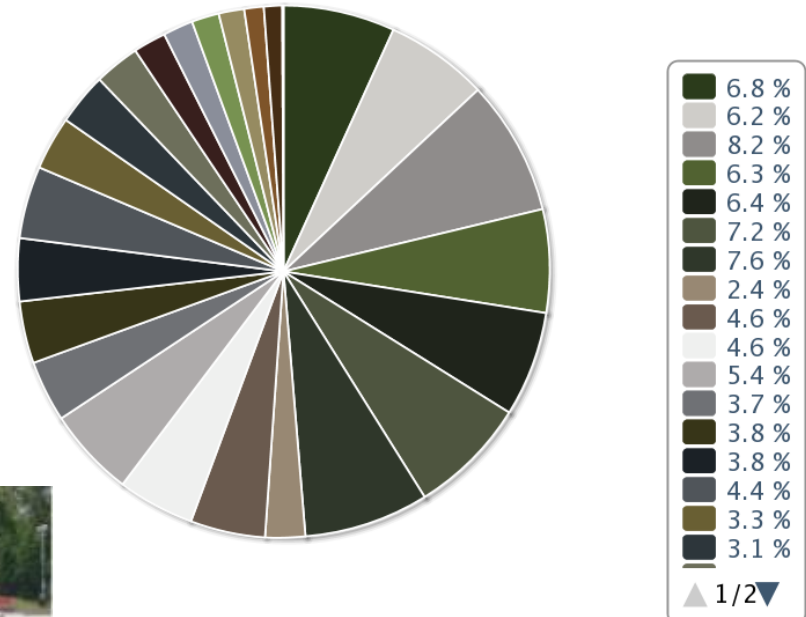
Color diagram

GENERAL COLORING OF POLYTECHNIC UNIVERSITY PARK

33

Formed in green-yellow-brown colors:

- warm shade of green– 36 %
- *yellow-brown colors*– 17,9 %
- *grey color* – 39,4 %
- *other*– 6,7 %

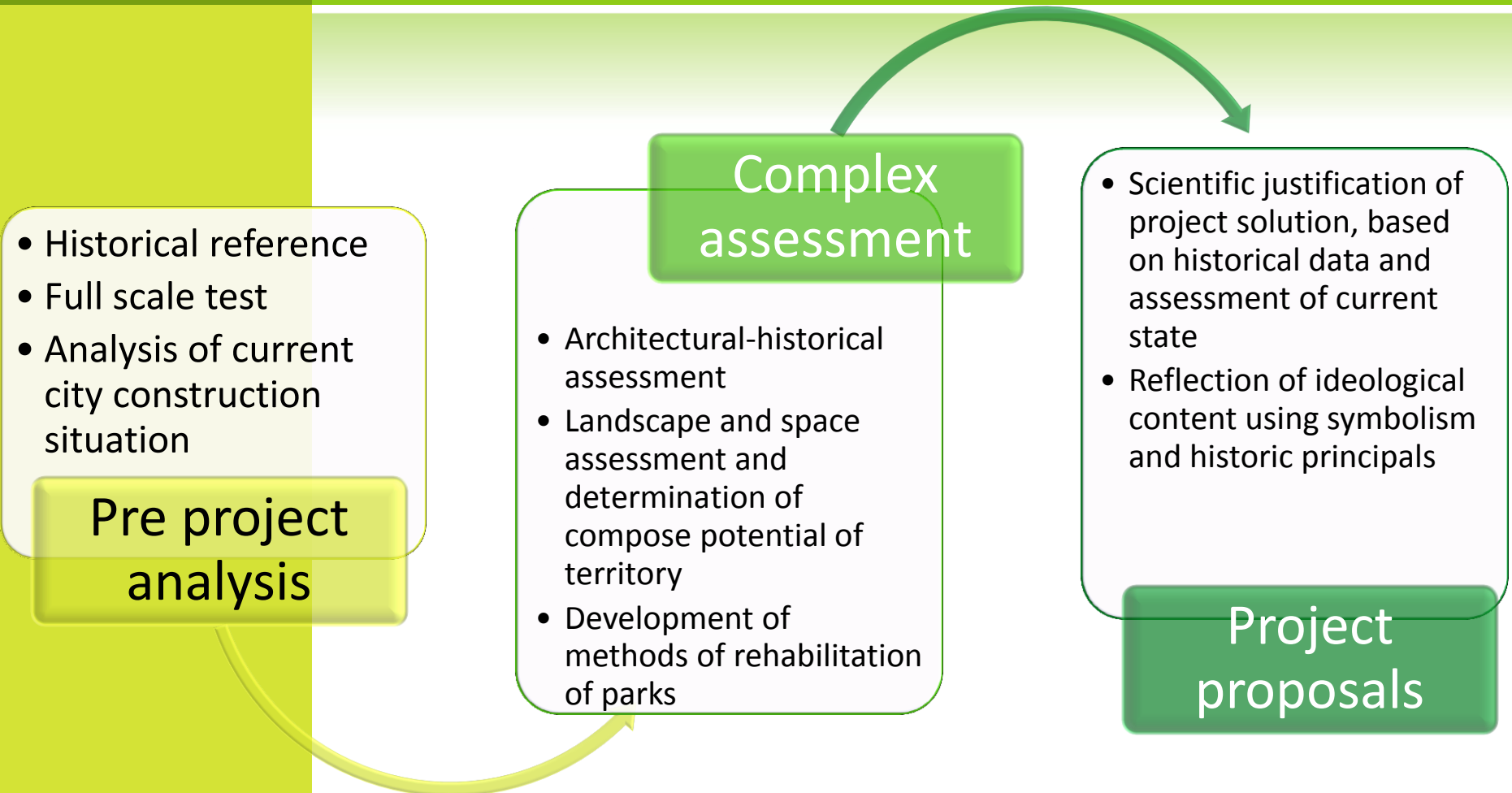


Highcharts.com



Colors that need to be added:
Areas along transitional paths – red, yellow
Areas along walk ways – blue, violet

Stages of work with natural reserves





DIRECTIONS OF COLLABORATION

In Ukraine

Exchange on problems of development and restoration of park gardens

Organizing of visits of special exhibitions and parks Sothern Cost of Crimea

Joint research in greening of cities and settlements of Poland

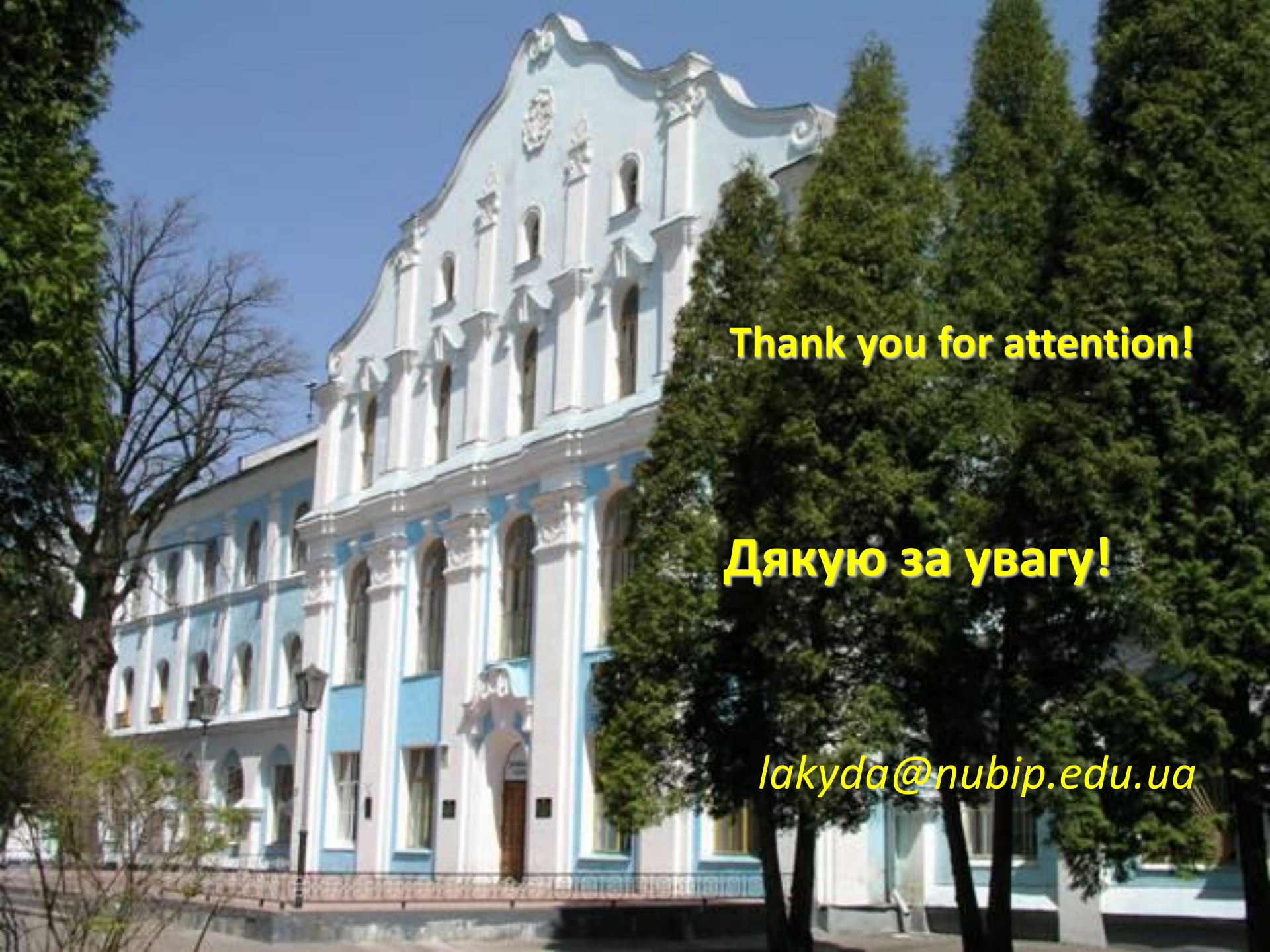
Participation in the conferences

In Poland

Summer practice of students to study parks

Implementation projects

Conferences



Thank you for attention!

Дякую за увагу!

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