

# **DUS Training organized by Poland**

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***The Research Centre of Cultivar Testing,  
COBORU, Poland***



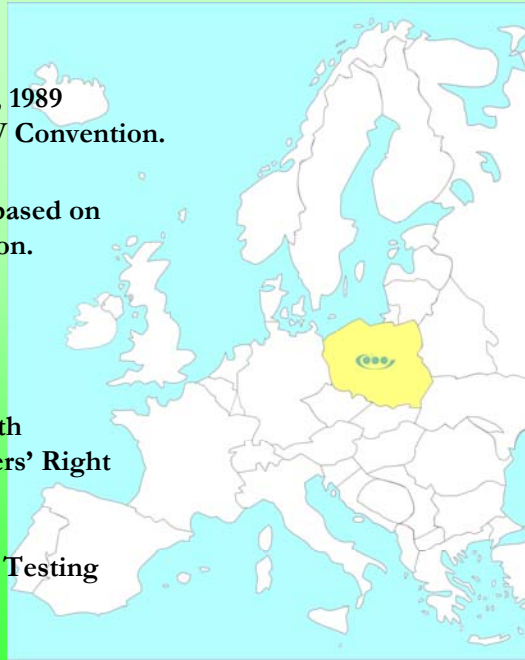
# POLAND

joined UPOV on Nov. 11, 1989  
 acceding to the 1978 Act of UPOV Convention.

Polish Law of Nov. 24, 1995 was based on  
 1991 Act of UPOV Convention.

Poland ratified  
 1991 Act of UPOV Convention  
 on August 15, 2003.

All activities connected with  
 plant variety testing, Plant Breeders' Right  
 and Register of Cultivars  
 are administered by  
 The Research Centre of Cultivar Testing  
 (COBORU)  
 located in Słupia Wielka



## THE ORGANISATION AND METHODS OF DUS TESTING IN POLAND



carried out at 1-2 sites in the  
 Experimental Station for  
 Cultivar Testing by 1-3 years  
 according the UPOV  
 guidelines

each trial is carried out in  
 at least 2 replications

each year varieties are  
 grouped and randomised  
 within each block and  
 subgroup

high qualified DUS experts  
 a good technical equipment

**Total: 51 Experimental Stations**  
**DUS: 11 Experimental Stations**







COBORU shares  
our experience and knowledge on:

**PBR**

**listing**

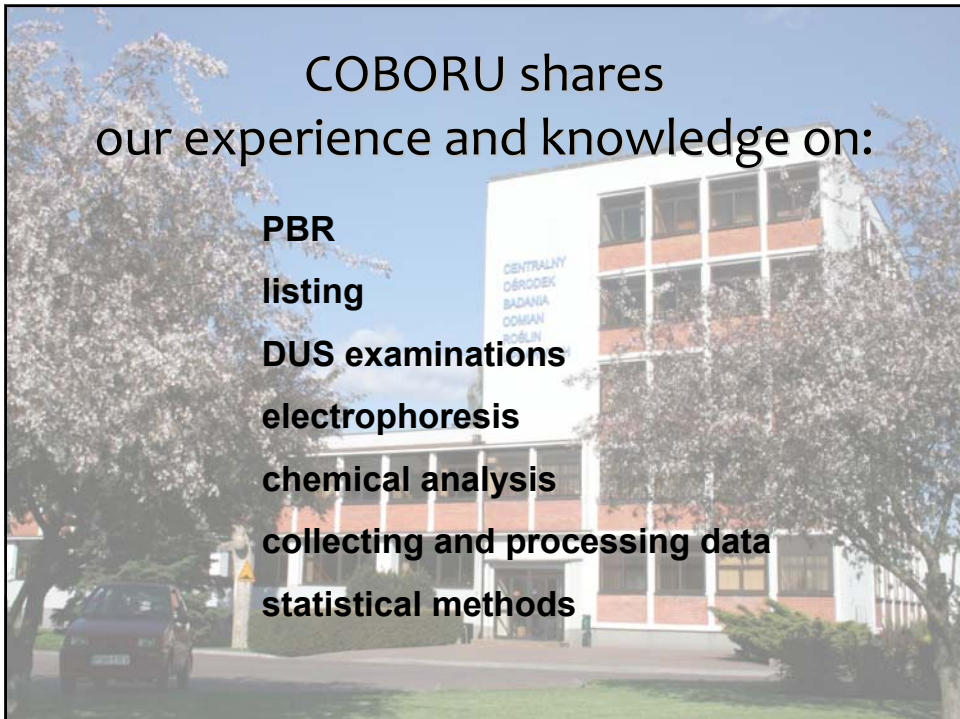
**DUS examinations**

**electrophoresis**

**chemical analysis**

**collecting and processing data**

**statistical methods**



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1992</b>	<b>5</b>	<b>24</b>		
21.09-03.Oct	Belarus	10	System of PBR protection and listing of varieties, organization of testing	COBORU, ES Słupia Wielka, ES Śrem
	Lithuania	2		
16-28.Nov	Ukraine	7		
	Lithuania	2		
	Latvia	2		
	Estonia	1		
<b>1993</b>	<b>2</b>	<b>7</b>		
26.06-03.Jul	Belarus	5	System of PBR protection and listing of varieties, organization of testing, DUS examination	COBORU, ES Słupia Wielka
07-12.Sept	Russia	2	Data collecting and electrophoresis testing	

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1994</b>	<b>3</b>	<b>10</b>		
06.-09.Feb	Belarus	2	DUS examination and data processing	COBORU, ES Słupia Wielka
23-25.Aug	Lithuania	4	System of PBR protection and listing of varieties, organization of testing, DUS examination of fruit plants	COBORU, ES Bobrowniki
	Latvia	1		
04-08.Dec	Belarus	3	System of PBR protection and DUS examination in Poland	COBORU, ES Słupia Wielka
<b>1995</b>	<b>5</b>	<b>18</b>		
06-09.Feb	Belarus	2	System of PBR protection and listing of varieties, DUS examination of vegetables	COBORU, ES Słupia Wielka
20-29.Mar	Russia	1	System of PBR protection and listing of varieties, organization of testing and DUS examination in Poland	

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1995</b>				
02-09.Jul	Belarus	8	System of PBR protection and listing of varieties, organization of testing and DUS examination of cereals, grasses, pulses, oil and fibre plants, Potato, Sugar Beet and Fodder Beet and vegetables	COBORU, ES Słupia Wielka
	Lithuania	2		
	Latvia	1		
16-23.Sept	Bulgaria	2		
	Russia	2		
<b>1996</b>	<b>2</b>	<b>11</b>		
26.05-02.Jun	Belarus	5	DUS examination of Wheat, Barley, Rye, Triticale, Oat and Winter Oilseed Rape Lectures and practical workshop	COBORU, ES Słupia Wielka, Breeding Station Nagradowice
	Ukraine	2		
11-14.Sept	Belarus	4	Practical DUS examination of fruit plants	COBORU, ES Bobrowniki

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1997</b>	<b>10</b>	<b>37</b>		
10.Jan	USA	1	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	COBORU
03.Feb	Belarus	2	System of listing of varieties, organization of testing, administrative and legal issues	
04.Feb		2		
29.Apr	USA	3		
07.Mar	Germany	1	System of PBR protection of ornamental plants	
June and August	Mongolia	1	System of PBR protection and listing of varieties, organization of testing and DUS examination. Lectures and practical workshop	COBORU ES Słupia Wielka, ES Śrem
05.Jun	Hungary	1	System of PBR protection and listing of varieties	COBORU
19.Jun	Great Britain	1		

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1997</b>				
09.Jul	Netherlands	1	System of PBR protection and listing of varieties	COBORU
15.Jul	Germany	1		
16.Jul	Ukraine	2		
20.Jul-03.Aug	Russia	20	System of PBR protection and listing of varieties, organization of testing and DUS examination of cereals, Potato, Beet, grasses, pulses, oil and fibre plants and vegetables. Lectures and practical workshop	COBORU, ES Słupia Wielka, ES Śrem, ES Karżniczka Seed Inspection Service, Breeding Station SPÓJNIA Nochowo, Breeding Station Nagradowice
14.Sept	Latvia	1	System of PBR protection and listing of varieties, organization of testing and DUS examination	COBORU

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1998</b>	<b>7</b>	<b>23</b>		
16.Apr	Great Britain	1	System of PBR protection and listing of varieties	COBORU
24.Jun	Hungary	1	System of PBR protection and listing of varieties, trials with cereals	COBORU, ES Słupia Wielka
	Turkey	1		
07.Jul	China	4	System of PBR protection and listing of Oilseed Rape varieties	
07.Jul	Czech Republic	4	System of PBR protection and listing of varieties, trials with cereals	
18.Sept	China	6	System of PBR protection and listing of varieties in Poland	
23.Sept	Germany	1	System of PBR protection and listing of varieties, organization of testing and DUS examination in Poland	COBORU
30.Sept	Austria	1		



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1998</b>				
13-14.Oct	Czech Republic	4	System of PBR protection and listing of varieties, cooperation in examination	COBORU
<b>1999</b>				
	<b>7</b>	<b>34</b>		
20.Apr	Germany	1	System of PBR protection and listing of grasses varieties	COBORU
10.May	France	10	System of PBR protection and listing of cereals. Practical workshop	COBORU, ES Słupia Wielka
16.Jun	USA	2	Statistical methods in DUS testing	COBORU
28.Jun	Hungary	4	DUS testing in Poland	COBORU, ES Słupia Wielka

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>1999</b>				
26-31.Jul	Ukraine	6	System of PBR protection and listing of varieties, organization of testing and DUS examination	COBORU, ES Słupia Wielka, ES Śrem; Seed Inspection Service, Breeding Station SPÓJNIA Nochowo
31.Aug	China	10	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	COBORU
23.Nov	Russia	1		
<b>2000</b>				
	<b>4</b>	<b>17</b>		
14-16.Jun	Hungary	3	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	COBORU
	Germany	1		
20.Jun	Mexico	2		

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2000</b>				
21.Jun	China	11	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	COBORU ES Słupia Wielka
<b>2001</b>				
	<b>1</b>	<b>8</b>		
07.Aug	China	8	System of PBR protection and listing of varieties, organization of testing, DUS and VCU examination	COBORU
<b>2002</b>				
	<b>5</b>	<b>18</b>		
09-11.May	Czech Republic	4	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	COBORU ES Słupia Wielka
18-20.Jun	Hungary	3	DUS examination of Triticale	
04.Jul	Latvia	1	DUS examination of Winter Wheat	



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2002</b>				
05.Aug	Czech Republic	3	DUS and VCU examination of grasses varieties	COBORU ES Słupia Wielka
20.Aug	France	2	DUS and VCU examination of Maize varieties	
04.Sept	Lithuania	4	System of PBR protection and listing of varieties, organization of testing, administrative and legal issues	
30.Oct		1	DUS examination of Black Currant	COBORU
<b>2003</b>	<b>1</b>	<b>12</b>		
07-12.Jul	Ukraine	12	DUS examination of cereals, vegetables and Potato. Lectures and practical workshop	COBORU, ES Słupia Wielka, ES Lućmierz



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2004</b>	<b>10</b>	<b>124</b>		
26.Apr-01.May	Bulgaria	2	System of PBR protection and listing of varieties, organization of testing and DUS examination, administrative and legal issues	COBORU, ES Słupia Wielka, ES Śrem
31.May-05.Jun	Ukraine	10	DUS examination of Rye, Oilseed Rape, Maize, Lucerne, Clover, grasses, Pea, Lupine, Cucumber, Tomato, Pepper, Onion, Beetroot, Cabbage. Lectures and practical workshop	COBORU, ES Słupia Wielka
03.Jun	Czech Republic	4	System of PBR protection and listing of pulses	COBORU
23.Jun	Hungary	3	System of PBR protection and listing of varieties	

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
2004				
27.Jun-03.Jul	Moldova	5	System of PBR protection and listing of varieties, organization of testing and DUS examination, administrative and legal issues	COBORU, ES Słupia Wielka, ES Zybyszów
06-08.Jun	Lithuania	6	DUS testing of cereals	COBORU, ES Słupia Wielka
28.Jun	Netherlands	43	System of PBR protection and listing of varieties, organization of testing and DUS examination, administrative and legal issues	COBORU, ES Śrem
06-08.Jul	Lithuania	5	DUS examinations	COBORU, ES Słupia Wielka
21.Jul	Belarus	5	System of PBR protection and listing of varieties, organization of testing and DUS examination, administrative and legal issues	COBORU
26.Jul	France	1		
05.Aug	Finland	40		



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2005</b>	<b>8</b>	<b>84</b>		
09.Feb	Japan	3	System of PBR protection and listing of varieties, DUS and VCU examination of cereals	COBORU, ES Słupia Wielka
18.May	Germany	9		
13.Jun	Germany	40	System of PBR protection and listing of varieties, DUS and VCU examination in Poland	COBORU
17.Jun	Belarus	3	Course about PBR protection and listing system after Poland's accession to EU	COBORU, ES Słupia Wielka
23-24.Jun	Czech Republic	3	DUS testing and use of electrophoretic analysis for cereals in Poland	
11-15.Jul	Slovakia	3	DUS tests in Poland	COBORU, ES Słupia Wielka, ES Węgrzce

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2005</b>				
29.Aug-02.Sept	Ukraine	6	DUS examination of fruit and berry plants, ornamentals Lectures and practical workshop	COBORU, ES Słupia Wielka, ES Śrem, ES Zybyszów, ES Masłowice
14.Sept	Belarus	4	Organization of DUS and VCU assessment in Poland	COBORU, ES Słupia Wielka
05.Oct	CPVO	1	System of PBR protection and listing of varieties, DUS examination of ornamentals	COBORU, ES Chrzastowo, ES Śrem
07.Oct	Belarus	2	System of PBR protection and listing of varieties	COBORU
13.Oct	Ukraine	4	DUS testing of Sugar Beet	COBORU, ES Słupia Wielka
20.Oct	Lithuania	1	DUS testing of vegetable and fruit plants	COBORU

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2005</b>				
29.Nov	Ukraine	5	Training course on examination of seed material according to OECD scheme	COBORU, ES Słupia Wielka
<b>2006</b>	<b>7</b>	<b>99</b>		
02.Mar	Belarus	2	Organization of DUS and VCU assessment in Poland	COBORU, ES Słupia Wielka
08.Mar	Denmark	22	System of PBR protection and listing of varieties, organization of testing and DUS examination, administrative and legal issues	COBORU
15.May	China	5		
26.Jun	Germany	1	DUS examination of Triticale	COBORU, ES Słupia Wielka
26-30.Jun	Belarus	6	System of PBR protection and listing of varieties, organization of testing	COBORU, ES Słupia Wielka, ES Chrzastowo ES Karżniczka

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
2006				
28.Jun	Hungary	2	DUS testing of Triticale	COBORU, ES Słupia Wielka
05.Jul	Belarus	10	Organization of DUS and VCU assessment in Poland	
06.Jul	Latvia	4	DUS examination of cereals	COBORU
31.Jul- 04.Aug	Belarus	13	DUS examination of vegetables, ornamentals and fruit and berry plants Practical workshop	COBORU, ES Słupia Wielka, ES Zybiszów, ES Węgrzce, ES Masłowice
08.Aug	Czech Republic	4	DUS tests of fruit plants in Poland	COBORU, ES Zybiszów, ES Bobrowniki, ES Masłowice
3 times	Belarus	30	Training course about system of PBR protection and listing of varieties, DUS and VCU examination in Poland	COBORU



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2007</b>	<b>6</b>	<b>49</b>		
26.Apr	Czech Republic	1	Collecting and processing data, DUS statistical methods	COBORU
21-25.May	Belarus	7	System of PBR protection and listing of varieties, DUS examination of winter cereals. Lectures and practical workshop	COBORU, ES Słupia Wielka, ES Zybiszów DANKO Choryń
10-21.Jun	Korea	3	System of PBR protection and listing of varieties, DUS examination of ornamentals and fruit and berry plants. Lectures and practical workshop	COBORU, ES Masłowice, ES Zybiszów, ES Śrem ISK Skierniewice
20.Jun	Hungary	2	DUS tests with Triticale and Rye	COBORU, ES Słupia Wielka
21.Jun	Czech Republic	2	DUS tests with Triticale, Rye, Lupine and Buckwheat	

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
2007				
24-27.Jul	Lithuania	8	National system of listing and PBR protection in Poland, DUS and VCU testing	COBORU, ES Łyski, ES Lisewo
30.Jul-03.Aug	Belarus	8	Organization of DUS and VCU assessment, DUS testing of cereals and Maize	COBORU ES Słupia Wielka, ES Zybiszów
10-14.Sept	Belarus	7	Organization of testing, DUS examination of Sugar beet, Potato and berry plants	COBORU
16-21.Sept	Ukraine	8	Organization of testing, PBR protection system and listing of varieties, DUS examination, legal regulations	COBORU, ES Przecław
27.Sept	Lithuania	2	DUS examination of vegetables	COBORU
24.Oct		1	DUS examination of fruit plants	



## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2008</b>	<b>8</b>	<b>15</b>		
24.Jan	France	1	System of PBR protection and listing of varieties, DUS and VCU examination of Wheat	COBORU
15.Apr	Lithuania	2	DUS examination of fruit plants	
28.May	Germany	1	DUS examination of Winter Oilseed Rape	COBORU, ES Słupia Wielka, ES Pawłowice, ES Chrzastowo, ES Tomaszów Bol.
02.Jul	Hungary	2	DUS testing of cereals	COBORU, ES Słupia Wielka
20-24.Jul	Latvia	2	System of PBR protection and listing of varieties, DUS examination of ornamentals and fruit plants. Lectures and practical workshop	COBORU

## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
2008				
21-25.Jul	Belarus	4	DUS examination of agriculture and fruit plants	COBORU ES Słupia Wielka, ES Śrem, ES Masłowice, ES Chrzastowo, ES Karżniczka
16-18.Sept	CPVO	1	DUS examination and collections of fruit plants.	COBORU, ES Masłowice, ES Zybiszów. ISK Skierniewice
20.Nov	Germany	1	System of listing and DUS examination of grasses and legumes	COBORU
	Denmark	1		



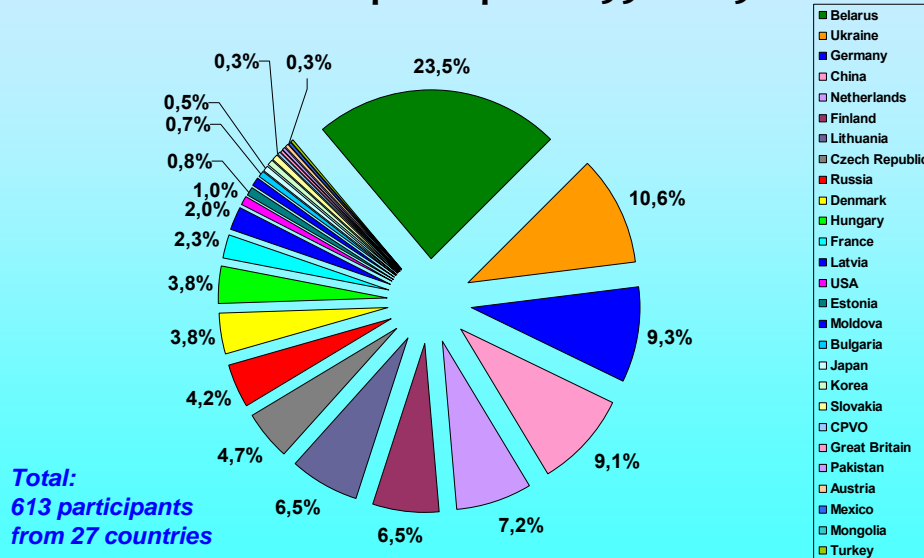
## TRAININGS AND STUDY VISITS

DATE	VISITING COUNTRY	NUMBER OF PARTICIPANTS	SUBJECT	PLACE
<b>2009</b>	<b>5</b>	<b>23</b>		
04.Mar	Ukraine	3	System of PBR protection and listing of varieties, DUS examination of Buckwheat	COBORU
31.May-06.Jun	Estonia	4	Organization of variety testing in Poland, listing and PBR protecting system, DUS examination of fruit plants. Lectures and practical workshops	COBORU ES Masłowice, ES Zybiszów ISK Skierniewice
01-02.Jul	Hungary	2	DUS examination of ornamentals and fruit plants	COBORU, ES Śrem, ES Słupia Wielka, ES Zybiszów
29.Jul	China	12	System of PBR protection and listing of varieties, organization and DUS examination	COBORU, ES Słupia Wielka
17-18.Dec	Pakistan	2	PBR study visit	

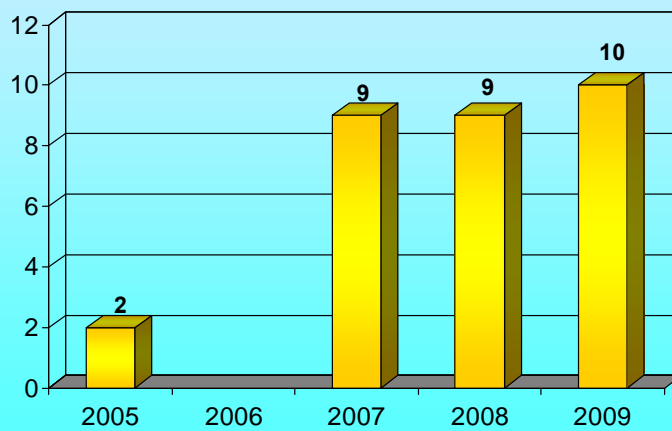


## TRAININGS AND STUDY VISITS

### Number of participants 1992-2009



### Participation of Polish experts in DL-205 “Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention”



■ No of participants

**Total: 35 participants**

## Participation of Poland in the “RING Tests”

Year	Species	Meeting place	Country
1992	Winter Wheat, Spring Barley, Pea	Germany	4
1994	Winter Wheat, Spring Barley, Pea	Poland	5
1995	Winter Wheat, Spring Barley, Pea	Czech Republic	5
1996	Rye	Germany	5
1997	Rye, Perennial Ryegrass	Czech Republic	5
	Sunflower	Hungary	5
1998	Perennial Ryegrass, Poppy	Hungary	5
	Sunflower	Czech Republic	6
1999	Oilseed Rape, Red Clover	Germany	7
	Lucerne, Cocksfoot	Poland	7
2000	Lucerne, Cocksfoot	France	6
2001	Soya Bean	Hungary	8
2003	Barley	Croatia	15
2005	Potato	Poland	11
2006	Pea	Czech Republic	12
2007	Winter Wheat	Poland	7 + CPVO

## Participation of Poland in the “RING Tests”

Participants: 5 – 12 countries

Year	Species	Country
1995	White Cabbage, Onion	UKZUZ Czech Republic
1998	Poppy	OMMI Hungary
2000	Tomato	GEVES France
2001	Cucumber	OMMI Hungary
2002	Lettuce	Administration for Plant Protection and Seed Slovenia
2004	Carrot	Naktuinbouw Netherlands
2005	Pepper	OMMI Hungary
2006	Pea	UKZUZ Czech Republic



## Organization of UPOV Technical Working Parties Meetings in Poland

TWP	Year	Meeting place	Participants/ Countries
TWC	1995	Słupia Wielka	25 / 12
TWV	1998	Słupia Wielka	28 / 15
TWA	2004	Poznań / Słupia Wielka	62 / 28
TWV	2008	Kraków	51 / 21

**Participation of Polish experts  
in the work of the TC and the TWP's**





## Lectures of Polish experts in trainings and seminars

- 2009 – International Symposium “The Impact of Plant Variety protection”, Seoul, Korea
- 2009 – Eurasian PVP Training , Chisinau, Moldova
- 2006 – CPVO Enforcement Seminar, Warsaw, Poland
- 2004 – Seminar of Sino-East Europe Seed Industry, Beijing, China
- 2002 – Third Asian Regional Technical Meeting for Plant Variety Protection, Seoul, Korea
- 2002 – JICA Training Course, Tsukuba, Japan
- 2002 – UPOV Workshop on Data Handling, Mexico City, Mexico
- 2000 – UPOV Workshop on Data Handling, Kyiv, Ukraine
- The Working Seminars (8) on Statistical Methods in Variety Testing organized by COBORU in Poland









## The Research Centre for Cultivar Testing

**carries out DUS tests for  
agricultural, vegetable, ornamental and fruit plants**

**organizes seminars,  
conferences, workshops, study visits**

**helps to solve problems connected with  
PBR, listing, DUS examinations,  
laboratory tests and statistical methods**

**offers on-line information about  
PBR, listing and DUS examinations**

**facilitates extending practical experience  
and the exchange of views**



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