Laboratory of Biometry, Institute of Plant Genetics, Polish Academy of Sciences Poznań, Poland

Paweł Krajewski

EMBL-EBI, Hinxton, 1.07.2014

Institute of Plant Genetics, Polish Academy of Sciences
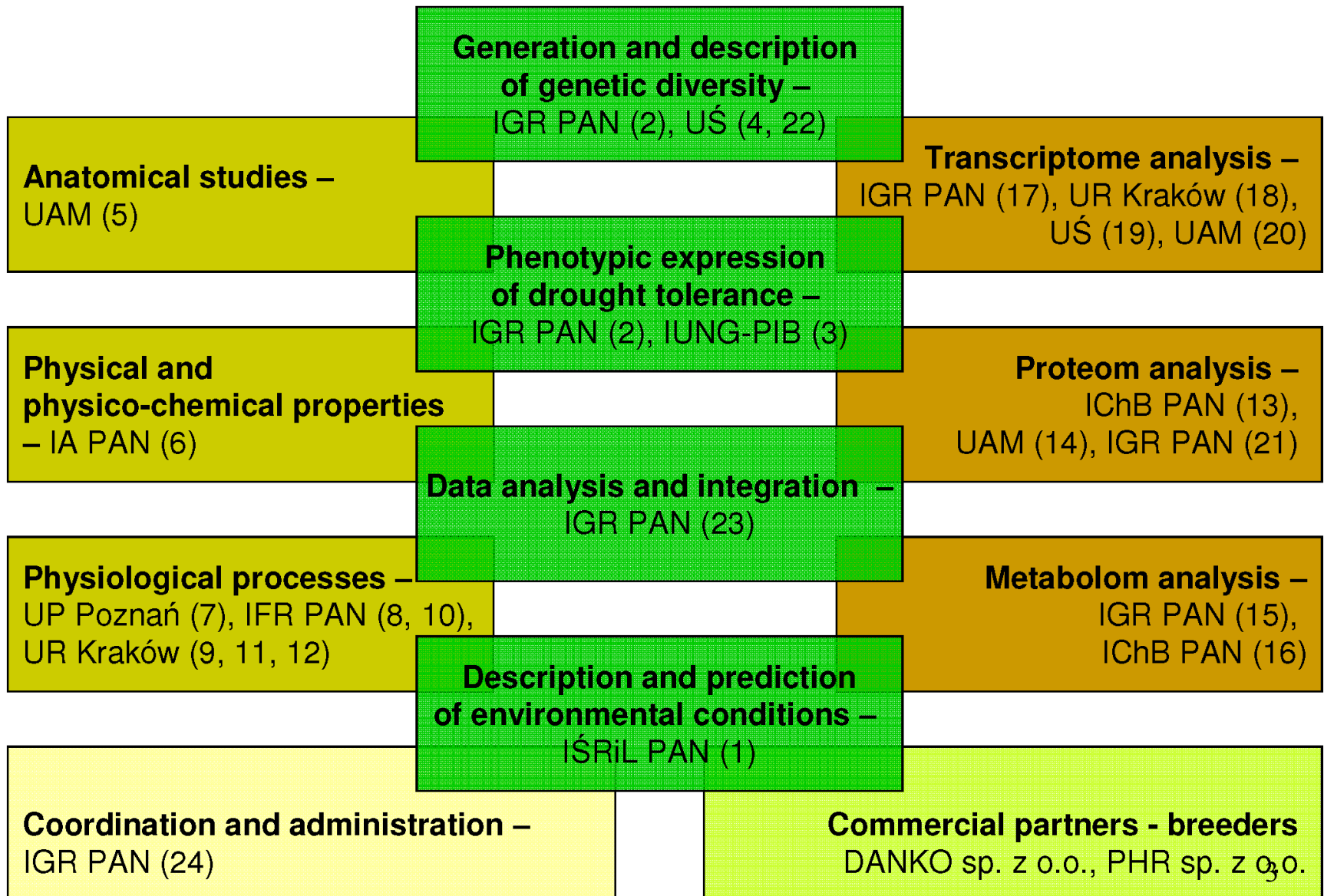   **www.igr.poznan.pl**

- 50 scientists, 20 PhD students, 30 administration/services

- Research in genetics, genomics, cytogenetics, biotechnology, biometry and bioinformatics, on crop and model plants.

Department of Biometry and Bioinformatics:

3 senior, 4 postdoc, 3 PhD, 2 technical

Topics

- NGS data analysis

- Phenotypic (-omics) data analysis

POLAPGEN-BD

INNOWACYJNA GOSPODARKA
NARODOWA STRATEGIA SPÓJNOŚCI

POL AP GEN

UNIA EUROPEJSKA
EUROPEJSKI FUNDUSZ
ROZWOJU REGIONALNEGO

Generation and description of genetic diversity –
IGR PAN (2), UŚ (4, 22)

Anatomical studies –
UAM (5)

Transcriptome analysis –
IGR PAN (17), UR Kraków (18),
UŚ (19), UAM (20)

Phenotypic expression of drought tolerance –
IGR PAN (2), IUNG-PIB (3)

Physical and physico-chemical properties
– IA PAN (6)

Proteom analysis –
IChB PAN (13),
UAM (14), IGR PAN (21)

Data analysis and integration –
IGR PAN (23)

Physiological processes –
UP Poznań (7), IFR PAN (8, 10),
UR Kraków (9, 11, 12)

Metabolom analysis –
IGR PAN (15),
IChB PAN (16)

Description and prediction of environmental conditions –
IŚRiL PAN (1)

Coordination and administration –
IGR PAN (24)

Commercial partners - breeders
DANKO sp. z o.o., PHR sp. z o.o.

List of deliverables

Delive-rable Number [61]	Deliverable Title	Lead benefi-ciary number	Estimated indicative person-months	Nature [62]	Dissemi-nation level [63]	Delivery date [64]
D3.1	Recommended ontology set for use in phenotype description and epigenetic variability	5	24.00	R	PU	24
D3.2	Format specifications for data exchange by flat file and web services	1	8.00	R	PU	24
D3.3	Report on standardisation activities accomplished during transPLANT	6	24.00	R	PU	48
		Total	56.00			

Implementation: Mixed models statistics + ISA-Tab + database

Thanks for attention