



Grain Legumes Overview from the Institute of Field and Vegetable Crops, Novi Sad

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*ForEVA – Fostering the need of implementation of
the ECPGR's European Evaluation Network (EVA) on
Grain legumes*

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Institute of Field and Vegetable Crops Novi Sad, National Institute of the Republic of Serbia (IFVCNS)



- IFVCNS is located at Rimski Šančevi, Novi Sad, Vojvodina province (Serbia)
- Largest agricultural institute in Serbia
- Research, developmental and advisory institution oriented towards technology and knowledge transfer from basic, field and laboratory research and pilot projects to large scale applications in fields
- Objectives – development of crop cultivars (high yielding capacity; tolerant to major diseases and pests, resistant to abiotic stress to cope with climate changes - more than 1200 cultivars of 50 plant species)
- IFVCNS brings to the consortium intensive and diverse cooperation with national and international research institutions, universities, various organizations, leading companies in the field of agriculture.



IFVCNS participated in large projects dealing with legumes



Project acronym	Duration	Funding	Target species
LEGATO	2014-2017	FP7	pea, faba bean, white lupine, grass pea
EUCLEG	2017-2021	H2020	alfalfa, red clover, pea, faba bean, soybean
ECOBREED	2018-2024	H2020	soybean
LEGUMES TRANSLATED	2018-2022	H2020	soybean, pea, chickpea, lentil, faba bean, red clover
BELIS	2023-2028	HE	lucerne, red clover, white clover, annual clovers, sainfoin, birdsfoot trefoil, vetches, pea, faba bean, soybean, white lupin, lentil, chickpea, common bean
CROPDIVA	2021-2025	H2020	faba bean, lupin

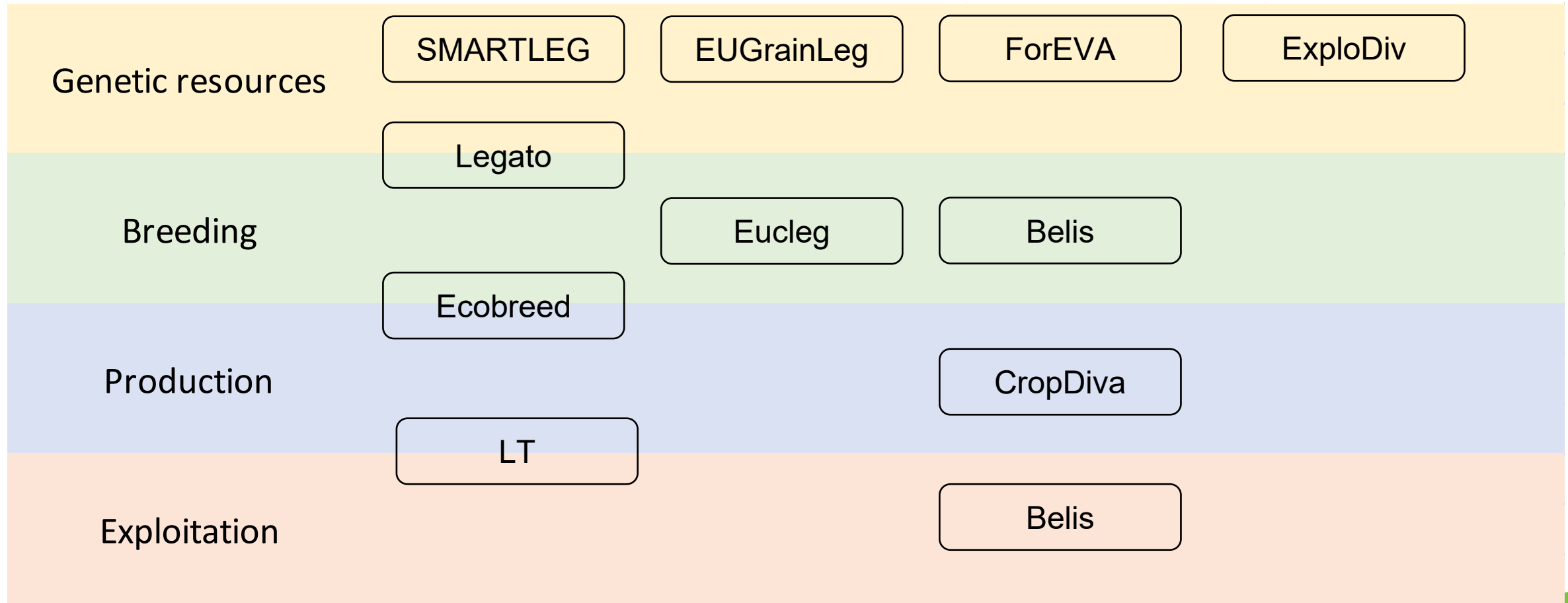
ECPGR-funded projects with participation of IFVCNS



Project acronym	Duration	Target species
SMARTLEG	2017-2018	common bean, runner bean
EUGrainLeg	2018-2021	grass pea
ExploDiv	2023-2025	faba bean, pea, common bean, chickpea, grass pea, lentils, vigna, white lupine
ForEVA	2023-2024	



Overview of IFVCNS most important projects on legume



IFVCNS's grain legume collection



Genus	species	English name	No. of accessions
<i>Glycine</i>	<i>max</i>	soybean	950
<i>Phaseolus</i>	<i>vulgaris</i> L.	common bean	542
		snap bean	186
	<i>coccineus</i> L.	runner bean	12
<i>Lathyrus</i>	<i>sativus</i> L.	grass pea	40
<i>Cicer</i>	<i>arietinum</i> L.	chickpea	20
<i>Pisum</i>	<i>sativum</i> L.	common pea	280
	<i>faba</i> L.	faba bean	60
<i>Vicia</i>	<i>pannonica</i> Crantz	Hungarian vetch	2
	<i>sativa</i> L.	common vetch	10
	<i>villosa</i> Roth	hairy vetch	1
<i>Lupinus</i>	<i>albus</i> L.	white lupine	10
<i>Vigna</i>	<i>unguiculata</i> L.	cowpea	1
Total			2114



IFVCNS's grain legume collection



- Research and breeding focused on soybean, pea, common bean, chickpea
- Yield and quality related traits
- Genotypic and phenotypic data available for large number of genotypes of several species – soybean, lucerne, pea, common bean, snap bean, chickpea, faba bean, runner bean
- Seeds are available for sharing based on SMTA



Expectations from EVA legumes

- Material exchange, joint germplasm assessment on various localities
- Interest and capacity to be involved in evaluation of different GL species - Yes



Thank you for your attention

