

# ***In situ/on farm PGR documentation*** **Status in the Czech Republic**



Palanga, 7-9 September 2011

WG3

# CWR *-in situ*

➤ **NI *in situ* documentation in CZE – not developed yet**

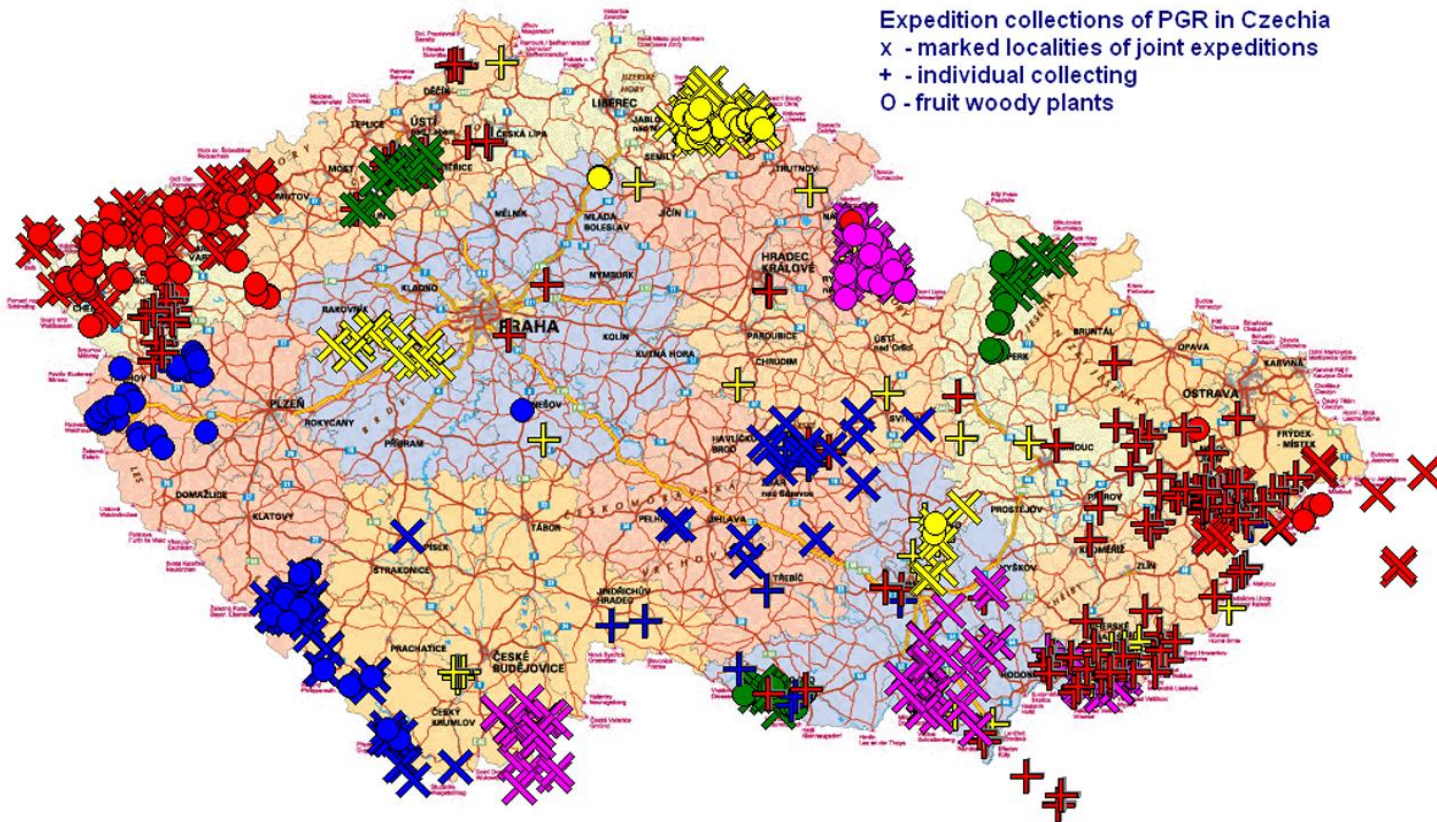
*Ex situ* documentation only – generatively propagated  
(+ stored in GB)

Documented CWR accessions from **collecting missions** –  
border areas (1802 acc., 57% geographic coordinates)  
starting point for *in situ* documentation

Note: not all collected materials are included in NI PGR *ex situ*  
collection



# CWR –collecting missions



# CWR – genera *ex situ*

CNT	GROUP	crop group	CNT	Genus	crop group	T
551	T	Fodder plants				
468	G	Grasses				T
292	A	Aromatic and medic				T
154	M	Miscellaneous				T
136	L	Food legu				T
130	H	Vegetab				T
46	D	Flowers	105	Lactuca	H	T
10	W	Orname	20	Daucus	H	T
			4	Cichorium	H	T
5	C	Cerea				T
5	Z	Zea ar	2	Elymus	C	M
3	O	Oil pla	1	Agropyron	C	M
1	F	Fruit v	1	Avena	C	M
1	X	Industrial plan	1	Thinopyrum	C	M
			5	Oxytropis	M	G
			4	Lychnis	M	G
			4	Myrrhis	M	G
			3	Adonis	M	G
			3	Peucedanum	M	G



# LV - on farm

➤ NI on farm documentation in CZE – not developed yet

Exceptional conservation type – **local fruit trees**

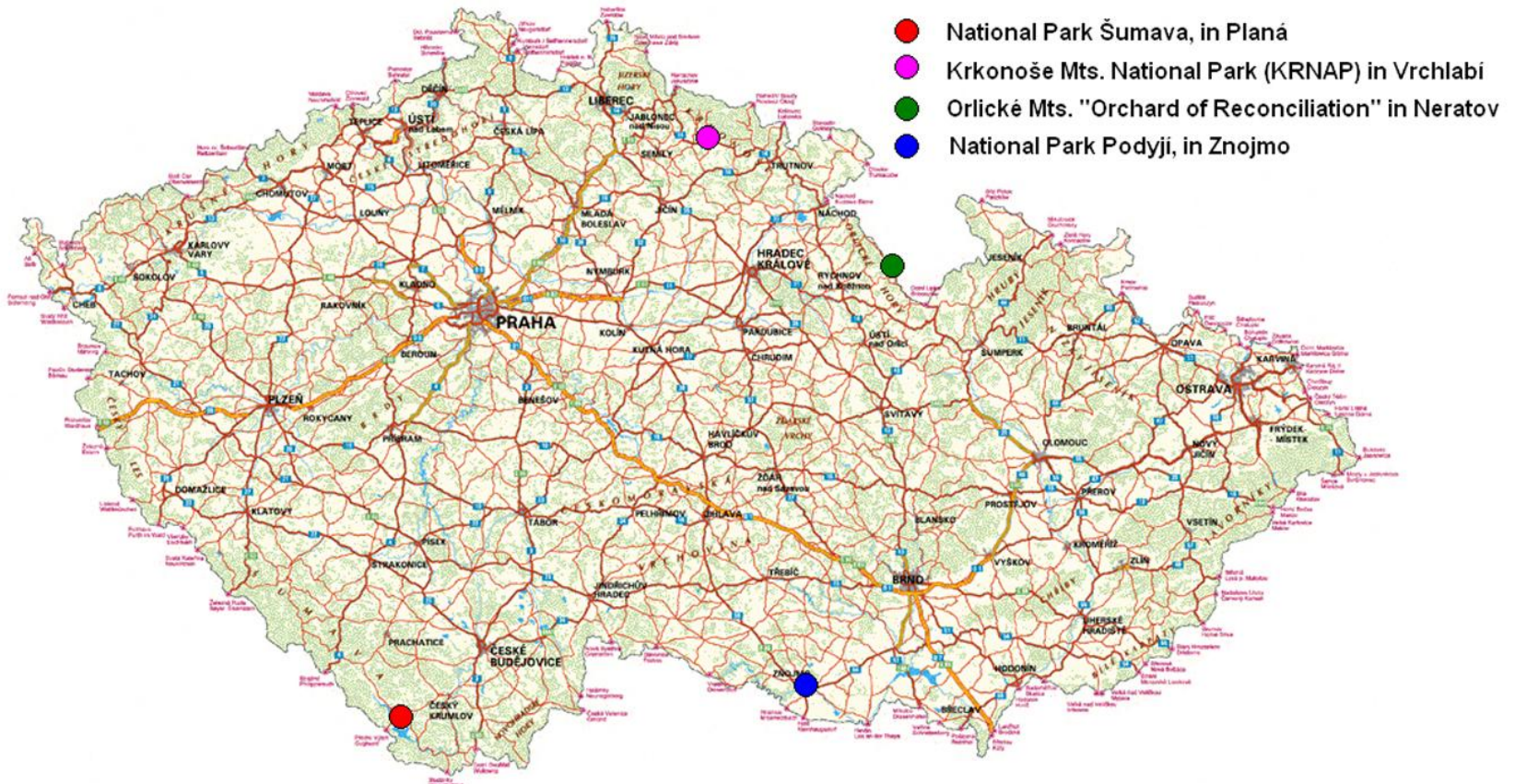
Results of various projects – printed reports, articles  
– no central database, standards (?)

*Number of landraces in on farm plantations*

<i>Locality</i>	<i>Fruit species</i>	<i>Number of cultivars</i>
Krkonose Mts. National Park - Vrchlabí	<i>Apple</i>	24
	<i>Pear</i>	4
	<i>Sweet cherry</i>	9
	<i>Sour cherry</i>	4
	<i>Plum</i>	4
Reconciliation orchard - Neratov	<i>Apple</i>	21
	<i>Pear</i>	19
	<i>Plum</i>	2
Podyjí National Park- Znojmo	<i>Apple</i>	5
	<i>Pear</i>	8



# LV - on farm



# LV – *ex situ*

Starting point: *ex situ* documented LV - domestic origin  
(617 LV)

LV – usually not collected in the fields or local markets,  
missing original geographic documentation  
– vegetatively propagated – „long-term“ plantations,  
more suitable for conservation  
„The third person“ - motivation ?



# LV – genera *ex situ*

CNT	GROUP	CR_GROUP							
188	F	Fruit woody plants				CNT	Genus		group
186	H	Vegetables				CNT	Genus		group
90	C	Cereals				CNT	Genus		group
65	L	Food legume				CNT	Genus		group
34	A	Aromatic a				CNT	Genus		group
17	X	Ind				CNT	Genus		group
16	D	Flo	11	Humulus			X		
13	Z	Zea and a	6	Linum			X		
6	O	Oil plants	2	Althaea		A			
3	V	Grape	2	Lavandula		A			
2	S	Potatoes	1	Agrimonia		A			
1	B	Beta and o	1	Cnicus		A			
1	G	Grasses	1	Leonurus		A			
			1	Malva		A			
			1	Oenothera		A			





# *Ex situ / in situ, on farm*

## **Different sustainability**

*Ex situ*: conservation+ documentation+C&E - NP partners

*In situ/on farm*

## **Documentation**

Standards, databases, presentation (existing *ex situ* base)

Update?

## **Conservation ??**

Changing conditions of conservation

Implementation of the actors „from outside“, responsibilities

## **C&E ???**

Descriptor lists, taxonomic variability

