




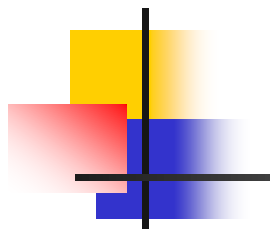
Using of Field-Map technology in Ukraine

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General information about forestry of Ukraine (01.01.2011)



- Total area of forest lands - 10.4 mln. ha (ranked 10 place in Europe)
- Forests covered area - 9.6 mln. ha
- Per cent of forest covered lands - 15.9% (ranked 37 place in Europe)
- Coniferous forests – 43.6%, hardwood forests – 40.2%, 16.2% - softwood broadleaves and shrubs
- Average growing stock - 240 m³ / ha
- Total growing stock - 2.15 billion m³ (ranked 7 place in Europe)



Field-Map technologies in Ukraine

Education and Research – Forestry faculties in Kyiv, Lviv and Kharkiv

- field technology + Field-Map Project Manager + Field-Map Data Collector.

Practice – Ukrainian State Forest Inventory Service

- field technology for forest management planning + field technologies for National Forest Inventory + Field-Map Project Manager + Field-Map Data Collector + Field-Map Inventory Analyst + lot of FM tools for forest management planning.

Research – URIFFM and URIFFM regional research network

- field technology + Field-Map Project Manager + Field-Map Data Collector + Field-Map Inventory Analyst.

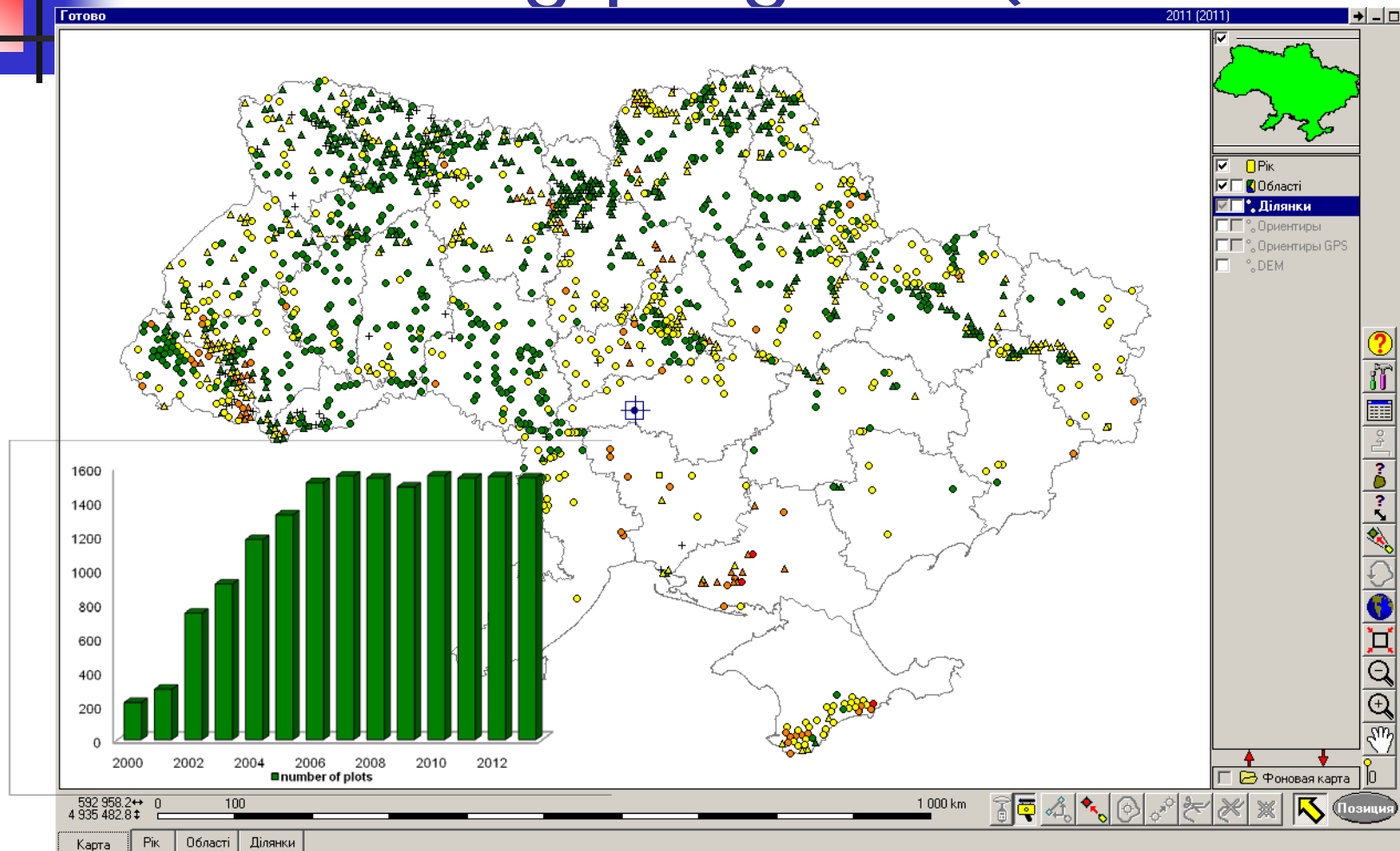
Using of Field-Map for students education on the forestry faculties

In the curriculums of students on forestry faculties in Kyiv, Lviv and Kharkiv included a special course on study of Field-Map.

In period from 01/09/2011 to 01/09/2014 more then 400 students was educated how to work with Field-Map.

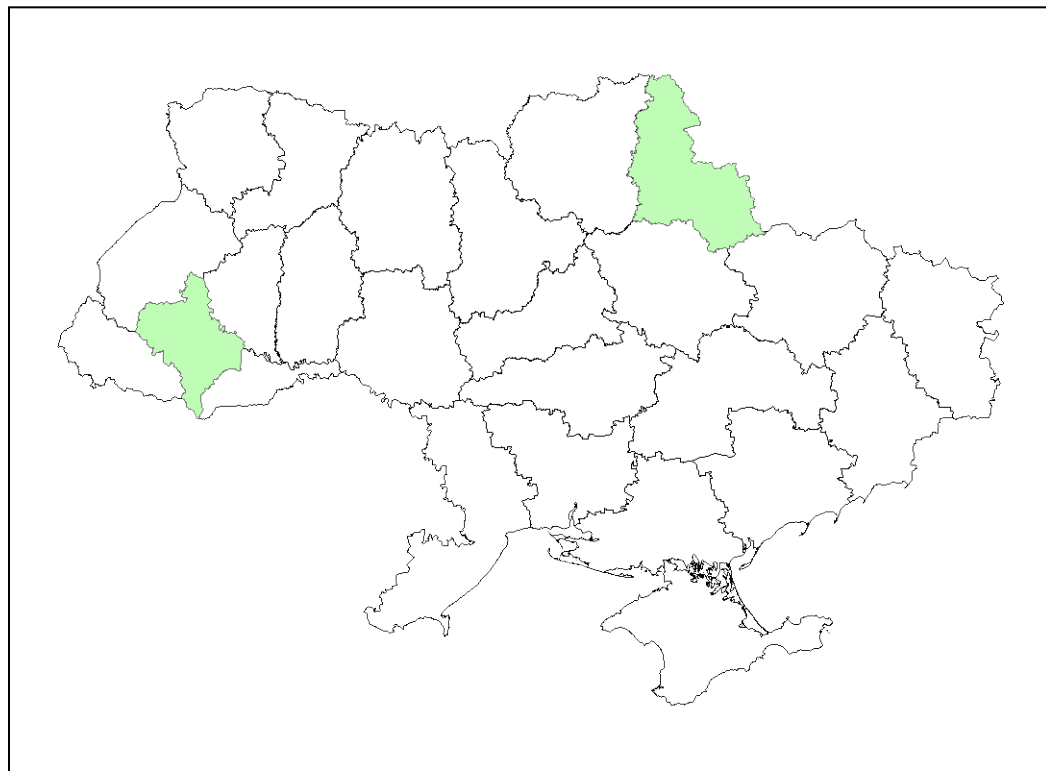


Field-Map for National forest monitoring program (since 2005)

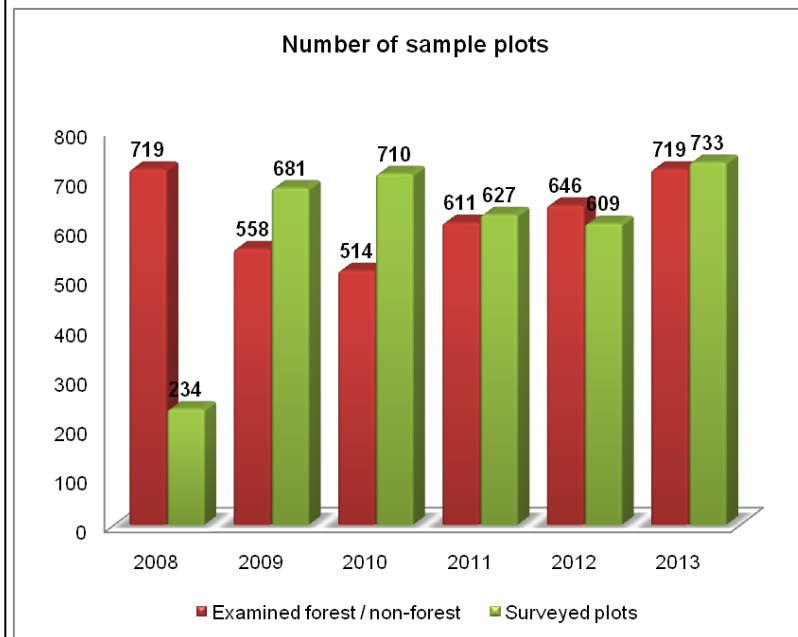


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Field-Map using in pilot project of National forest inventory



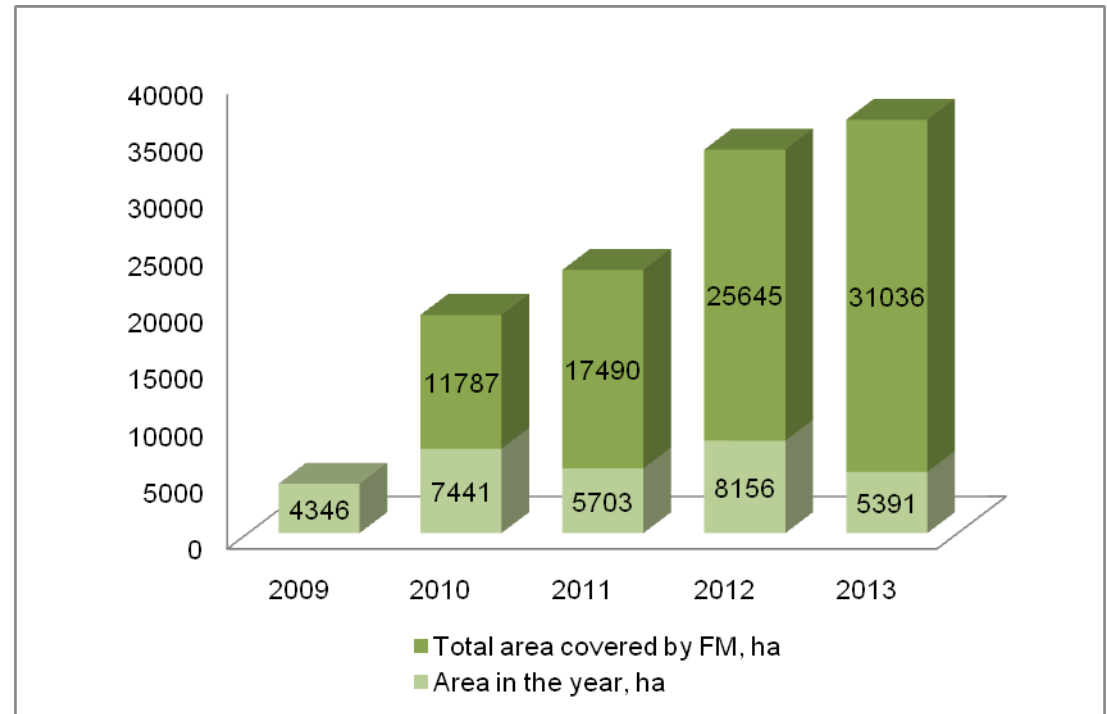
Sumska oblast NFI start from 2008
Ivano-Frankivsk oblast NFI start from 2009



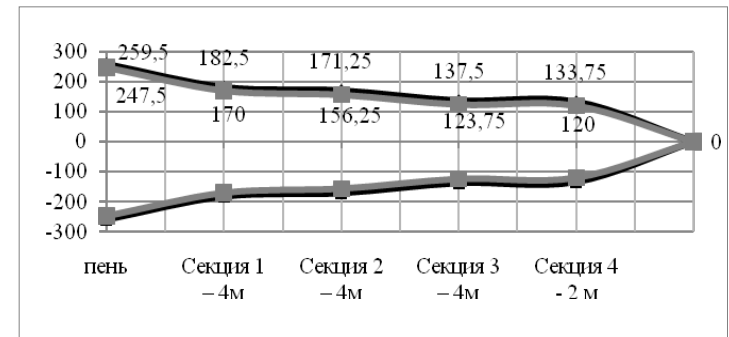
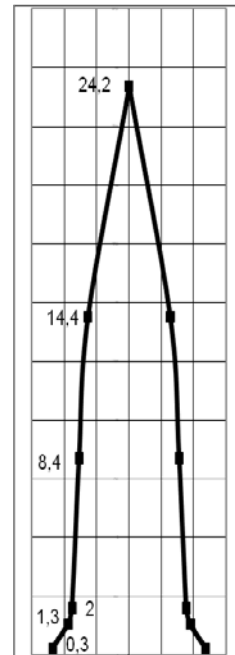
Area covered by Field-Map for forest management planning (FMP)

One set of FM technology permanently using for forest management planning since 2009.

Thanks to the FM technology for the first time in the history of Ukrainian State Forest Inventory Service the forest management documents were introduced and delivered to the customer **in a year of field works**.



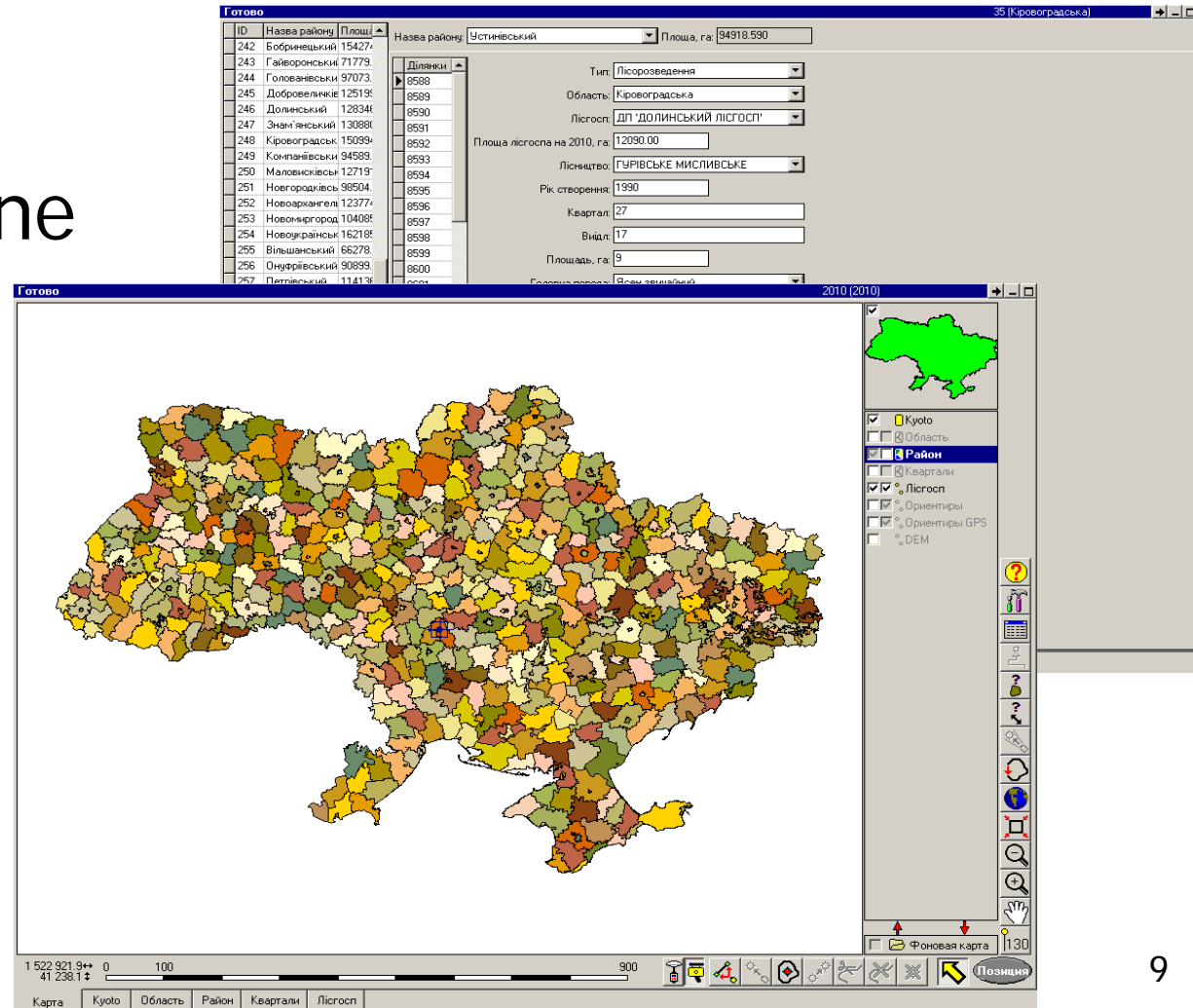
Standing timber volume assessment and assortment



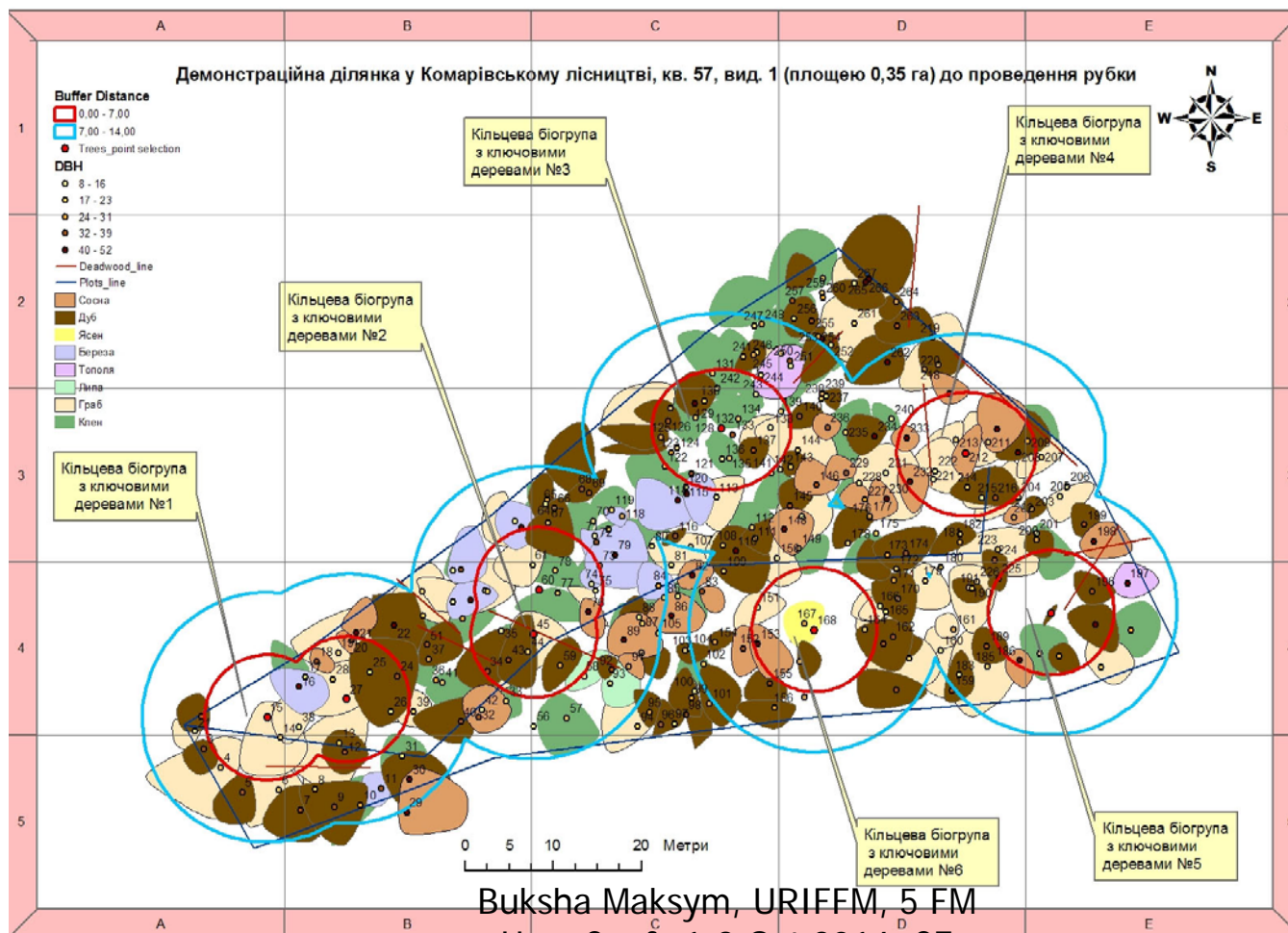
Section number / length	V, m3 on the table GOST 2708-75	V, m3 configuration of end sections
Section 1 – 4m	0,470	0,566
Section 2 – 4m	0,420	0,335
Section 3 – 4m	0,290	0,249
Section 4 - 2 m	0,121	0,093

Field-Map for Ukrainian National Reporting to UNFCCC and Kyoto Protocol

Data from 25 regions of Ukraine for 22 years period (1990 – 2012)

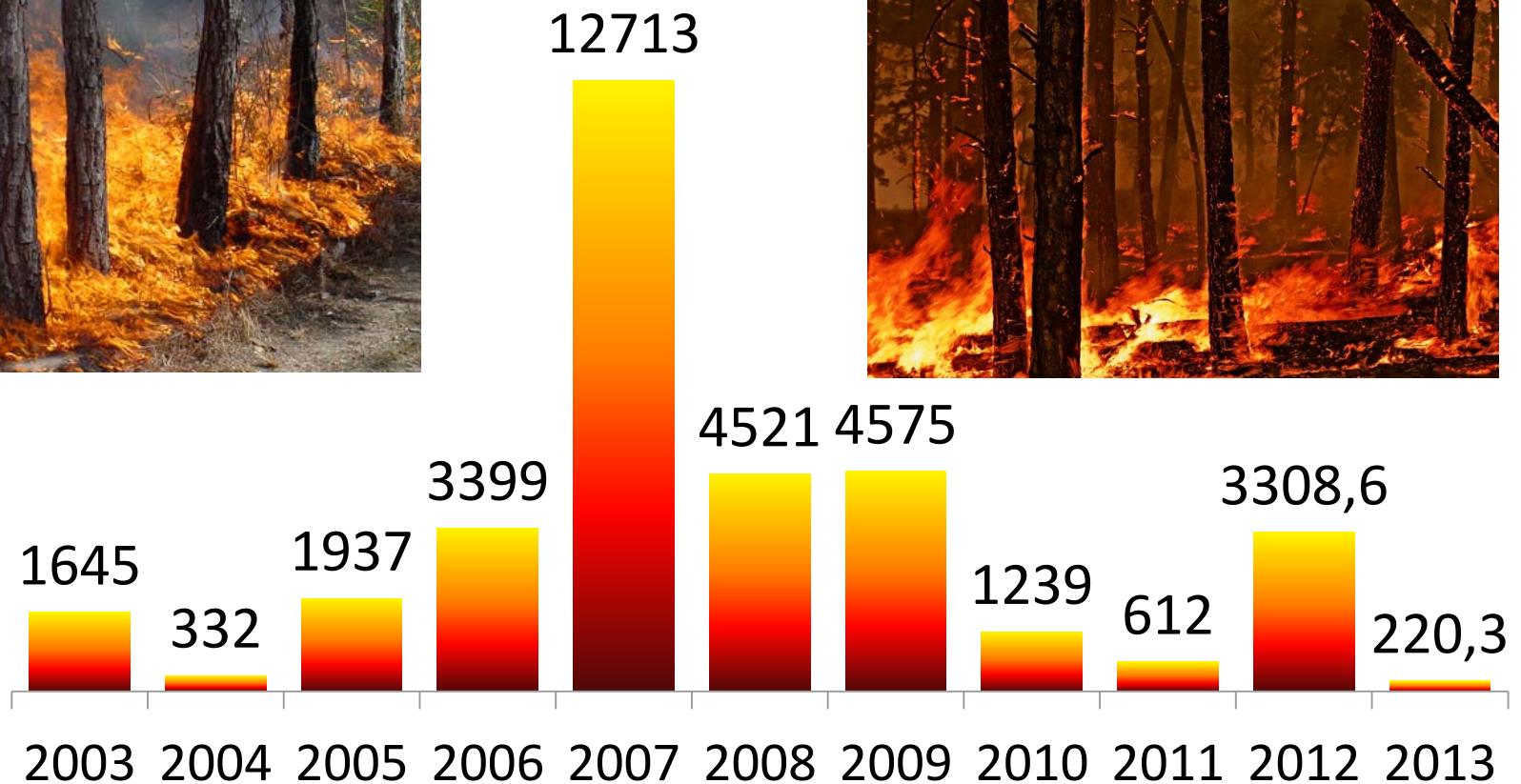


Research plot for testing of methods of close to natural forestry system



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Area of fires in forest of State Forest Resources Agency of Ukraine, ha

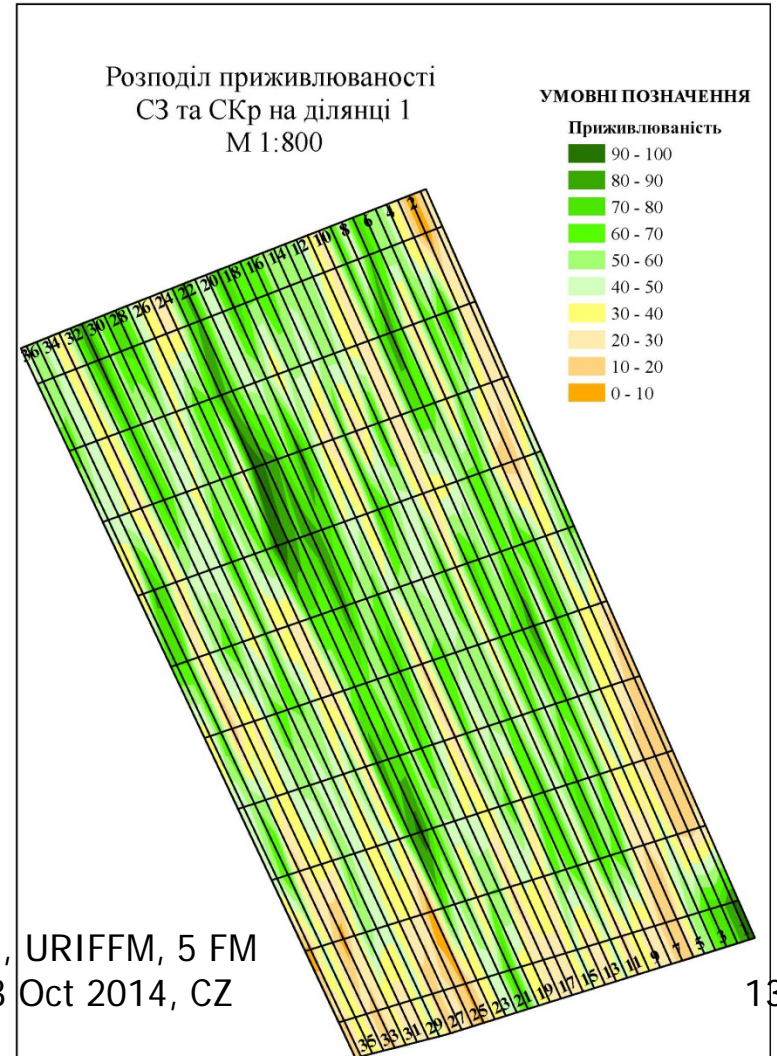


Post-fire forest place (Kherson region on south part of Ukraine)

- Big size of post-fire forest place where was lost of forest environmental.
- Adverse conditions of forest growth on sand soil.

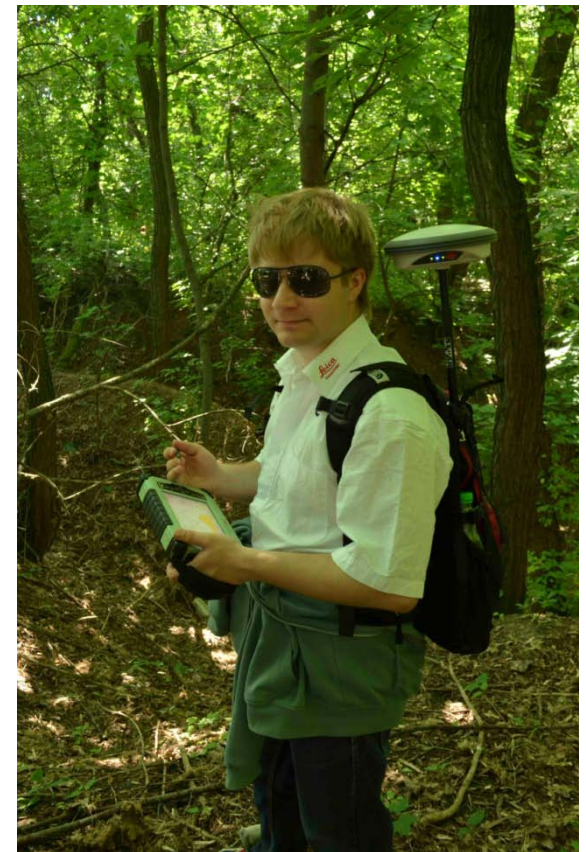
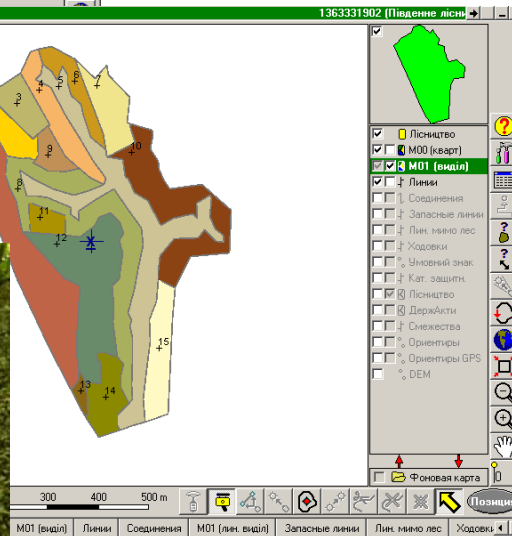
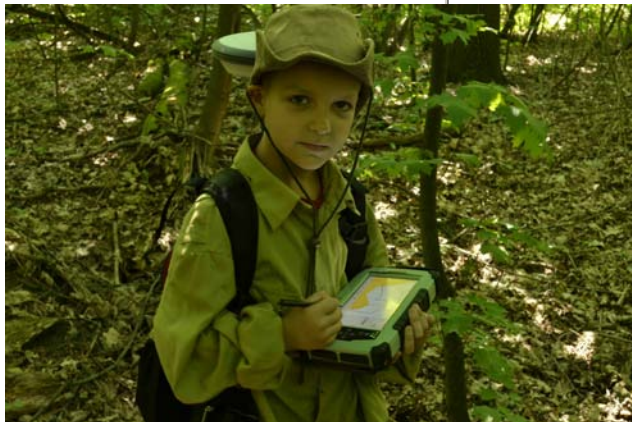
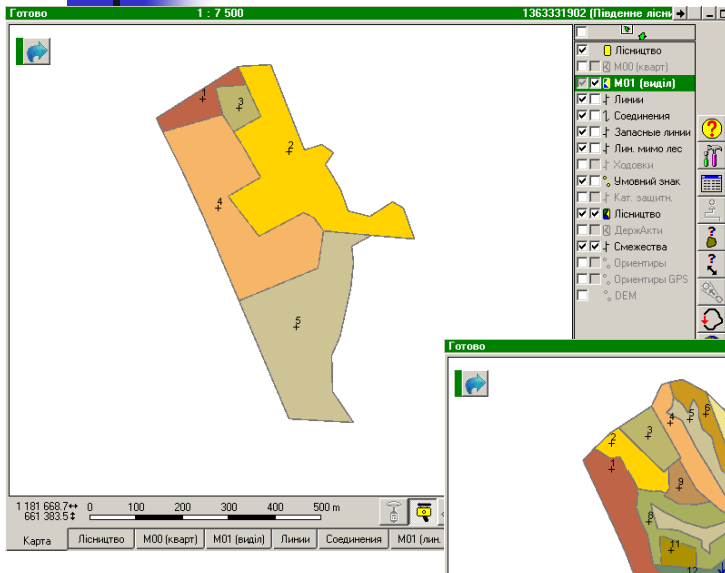


Mapping of reforestation on the forest fires place with help of FM



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Using of FM with high precision GPS and field computer Leica



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Thank you for your attention!

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