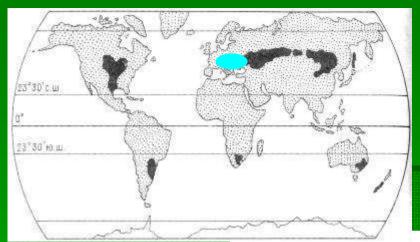


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http://pryroda.in.ua/step/.



Ukrainian steppe is part of the Eurasian steppe zone, which had formed before the end of Pleistocene

Our steppe zone covers 40% of the country

In the times of Kyiv
Rus (XI-XIII cen.) it
was called Nomads'
Fields and was
boundless. During the
XVI cen., it was
called the Wild Fields

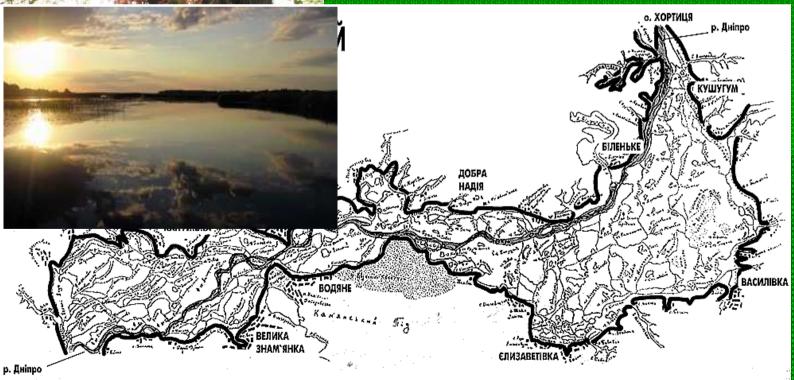




# Intrazonal forests of the steppe zone • Forests of Salix alba,



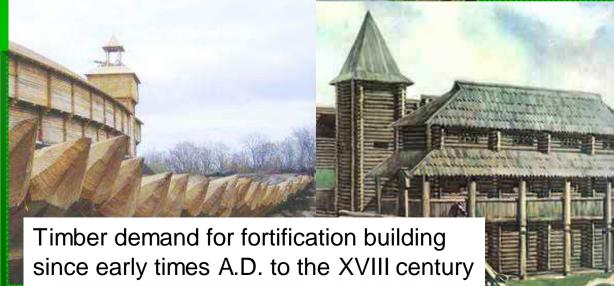
Forests of Salix alba, Populus nigra, Acer platanoides, Quercus robur



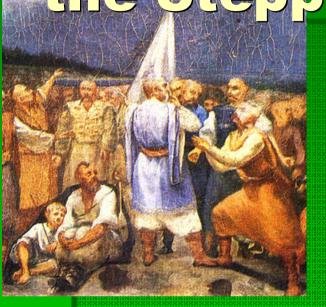
## Forest area reduction in ancient times



 Ancient Greeks cut timber in Lower
 Dnieper floodplain forests near Olvia (modern Mykolaiv)



### The end of the Zaporozhye society was also the end of





the Steppe However, in the XVIII century the Crimean Khagabate fell, Zaporozhye was dismissed and the Russian Empire began agricultural transformation of the steppe zone.

> Forestry, damming, melioration, and intensive grazing destroyed the native biota. The meliorative systems and artificial water reservoirs changed the climate and groundwater levels.

#### Today...

- Only 4% of the steppe zone that used to cover 40% of Ukrainian territory remain unploughed. Even so, of virgin steppe we now have only about 1%, mostly on steep slopes, along valleys, rocky areas where it cannot be exploited.
- These estimates need to be verified by complete inventory of steppe areas, which has not been done so far.

### The natural value of the Ukrainian Steppe

Of 553 animal species listed in the Red Book of Ukraine, 159 are steppe-dependent (29 %);

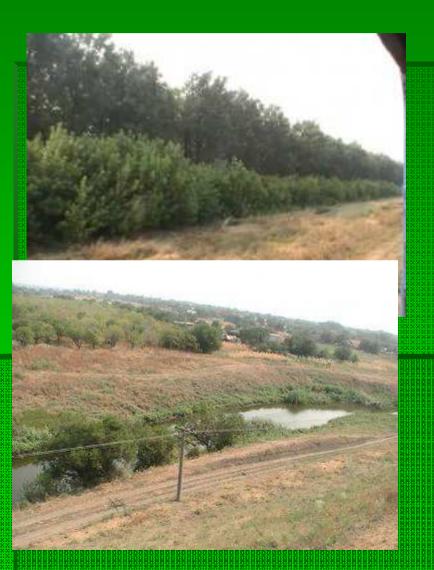
of 826 plant species listed in the Red Book of Ukraine, 276 (33,4 %) are found only in the steppe;

Of Berne Convention species, 17 plant and 44 animal species exist only in steppe (2 plant and 8 animal species are Crimean endemics).

Therefore, degradation and loss of steppe ecosystems irreversibly lead to the loss of local biodiversity



#### Afforestation in the past

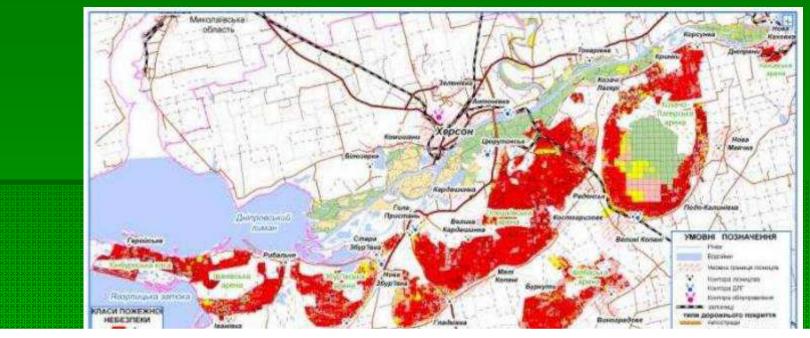


- Protective forest belt of foreign species;
- Low-production forests of the
   Ukrainian south consist of *Pinus* pallasiana, Robinia pseudoacacia etc.

#### **Moderrn Afforestation**

- President's of Ukraine Decree № 995/2008 'On some measures for the conservation and restoration of forests and green zones' as of 04.11.2008
- State Forestry Committee's executive order № 371 of 29.12.2008 approved the regional optimum of afforestation density, according to which forest area of the southern regions is planned to increase almost two-fold.
- Cabinet of Ministers of Ukraine approved these measures.
- Regional authorities also approved it.
- The Threat is real.





•Accoring to official stats, a total of 20 000 ha have been afforested since early 2009





#### **Afforestation in Crimea**

600 ha of central Crimean steppe core

A total of 11,000 ha
 of Crimean fallows is
 planned for
 afforestation



# The public campaign "Save Ukrainian steppe"

- Site http://pryroda.in.ua/step/.
- www.biomon.org
- http://www.terreco.univ.kiev.ua/
- http://ecoclub.nsu.ru/books/Stepb ull.htm





Sa ve Ukrainian deppe d

sengledy Companyment Healthcom

We would like to bring your alternion the home page of the public compaign "Saxe Virainian I leppes!". The main task of the blog is to inform all the people who are not indifferent to the fale of Virainian nature about the news of Virainian's leppes protection, to keep the chronology of the compaign and to make an opportunity for everybody to take partiniti. Moreover, the blog collects the Information about Virainian's leppes; sleppe nature retrievement and includes the Illingay of scientific and popular Berakure concerning it have books.

Ваш степ: вчора, съогди , завтра

Віблютека

Природно-sanosідний фонд степової зони

Нормативні акти, документи місцевих органів влади

9 аконо<u>цавство</u>

Publications:

Results of inventory of the steppe in some regions

**Certain steppe problems** 

Active cooperation with "Steppe bulletin"



### **Steppe inventory**

- Completed in some regions.
- There are possibilities for complete inventory.
- Data is derived from space surveys of steppe areas that are known for their rare species or otherwise mentioned in literature.
- Obtained borders of located steppe areas are used in creation of the first specialized GPSlayer of Ukrainian steppe.



#### Creating protected areas

- We have created new protected areas in Kyiv region
- Projects of protected areas for other regions have been prepared







