



Drought UKRAINE 2007

Felix Kogan

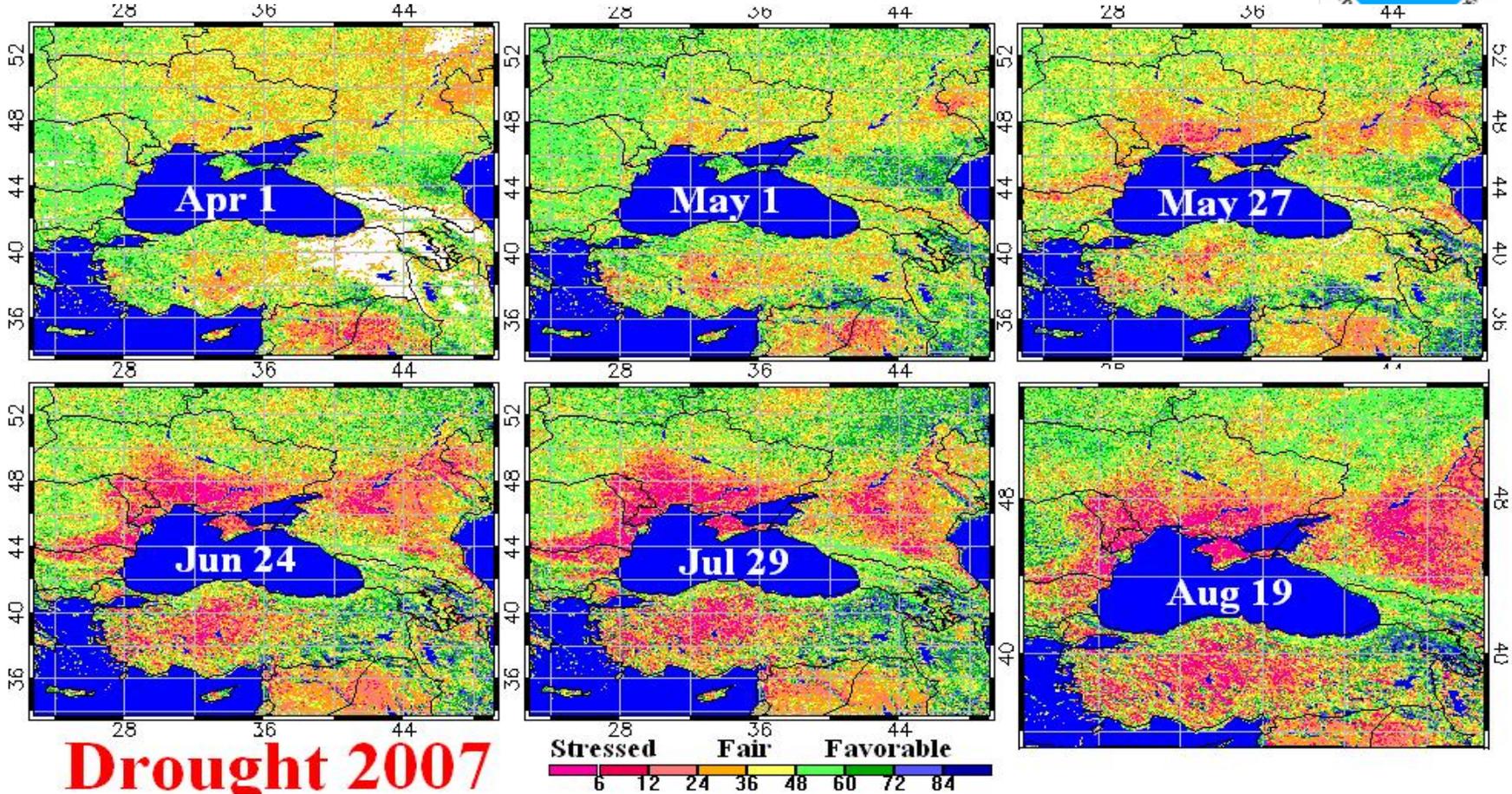
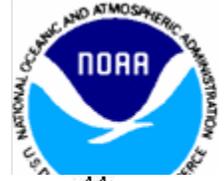
*National Oceanic and Atmospheric Administration (NOAA)
National Environmental Satellite Data and Information Services
(NESDIS)*

USA

2007



Vegetation Health 2007



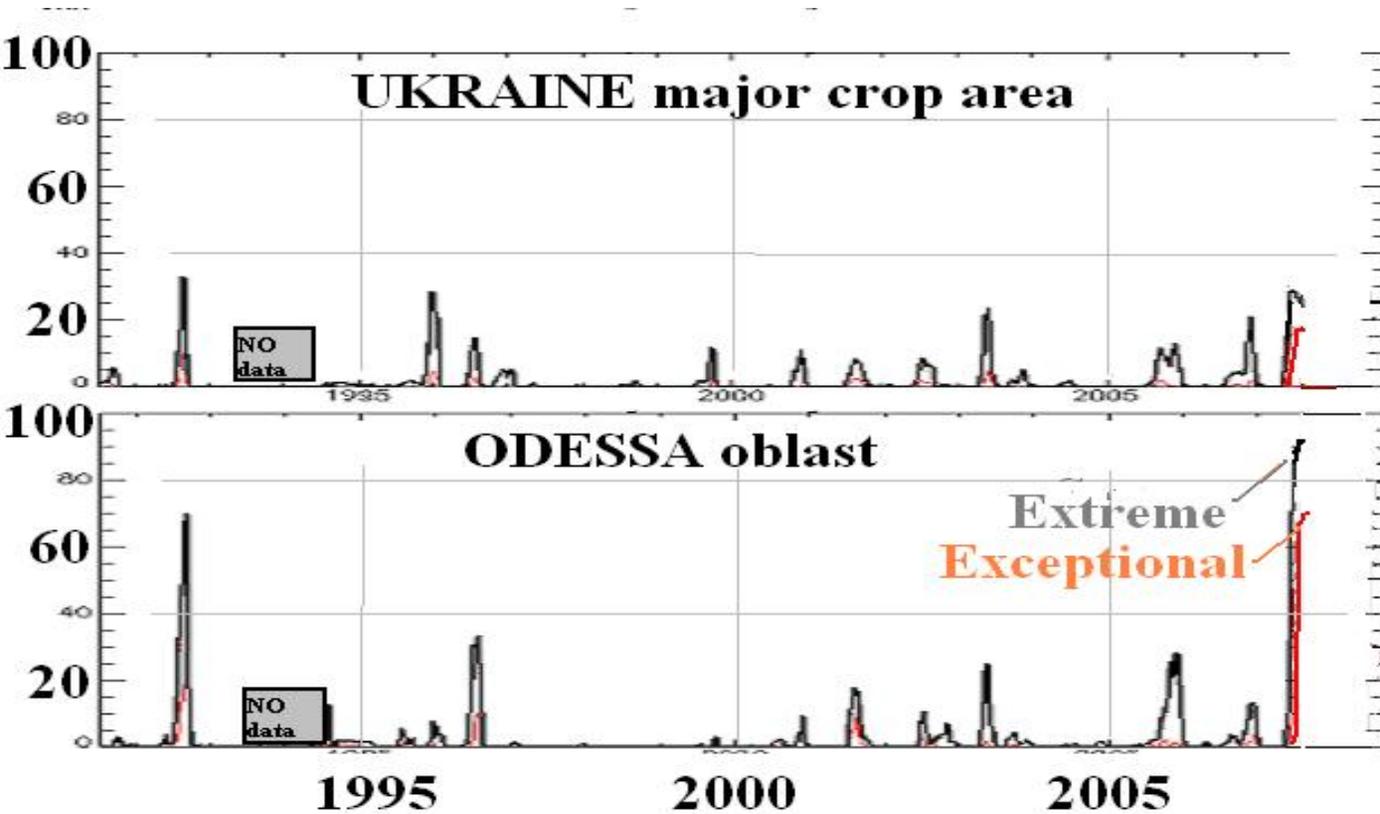
Drought 2007

AVHRR-based Vegetation Health Index (VHI)

Vegetation Health deteriorated in the main areas of WW during heading (critical period)



Percent Drought Area



Percent area under extreme and exceptional drought

UKRAINE 2007

AVHRR data from NOAA-14, 16 & 18 satellites

In 2007

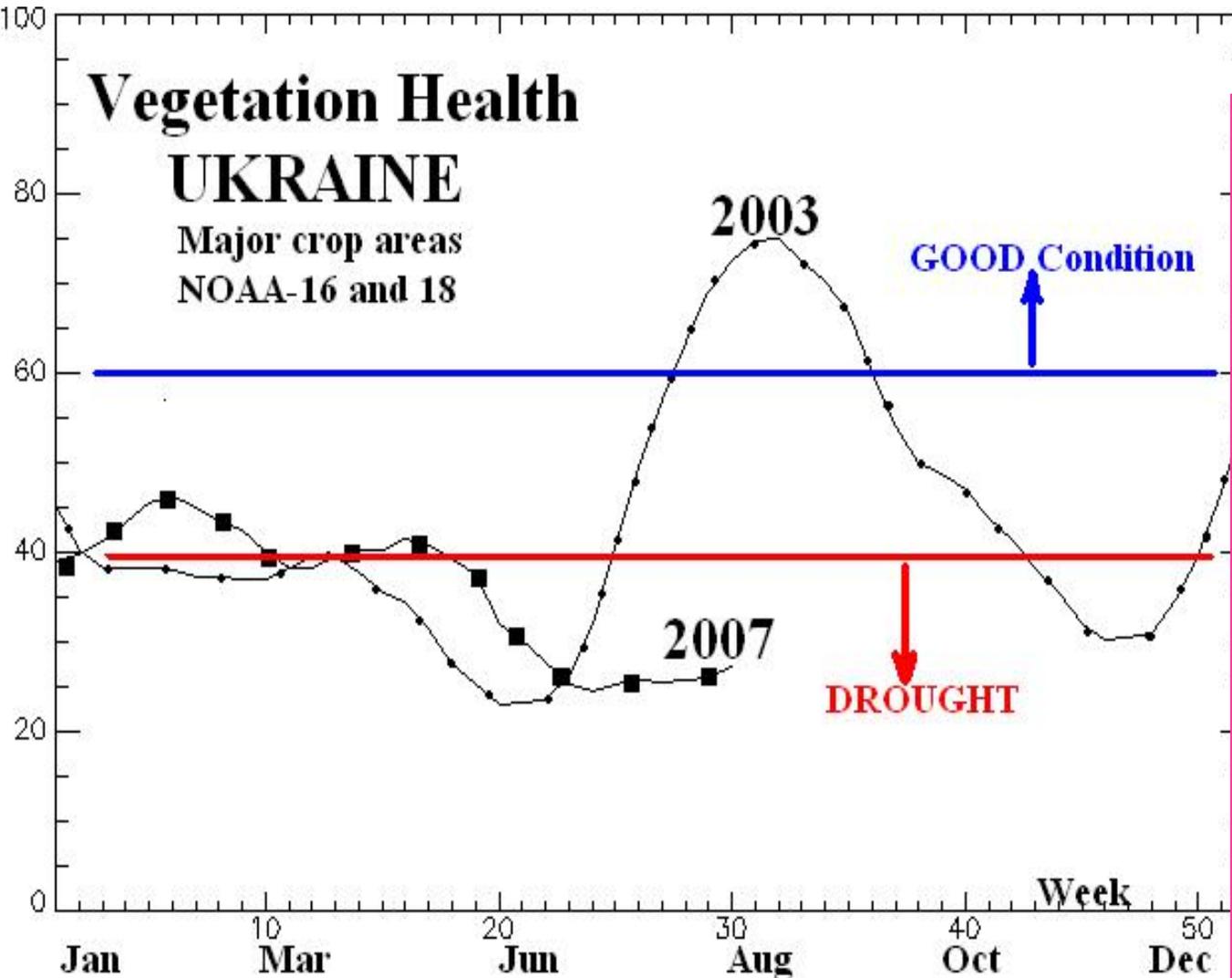
- On 30% of the entire Ukraine area, crops are affected by extreme (once per every 10-20 years) and exceptional (once every 30-50 years) drought

- In ODESSA, (one of the major grain region) these droughts cover 70-90 % area



Vegetation Health **UKRAINE**

2007 vs 2003



2003 Drought reduced grain yield 30%

2007 Drought (1) was as strong as 2003 during April-June but (2) continued in July-August