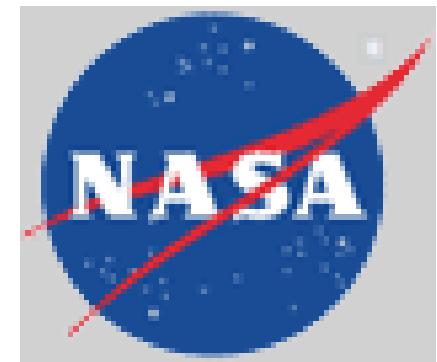
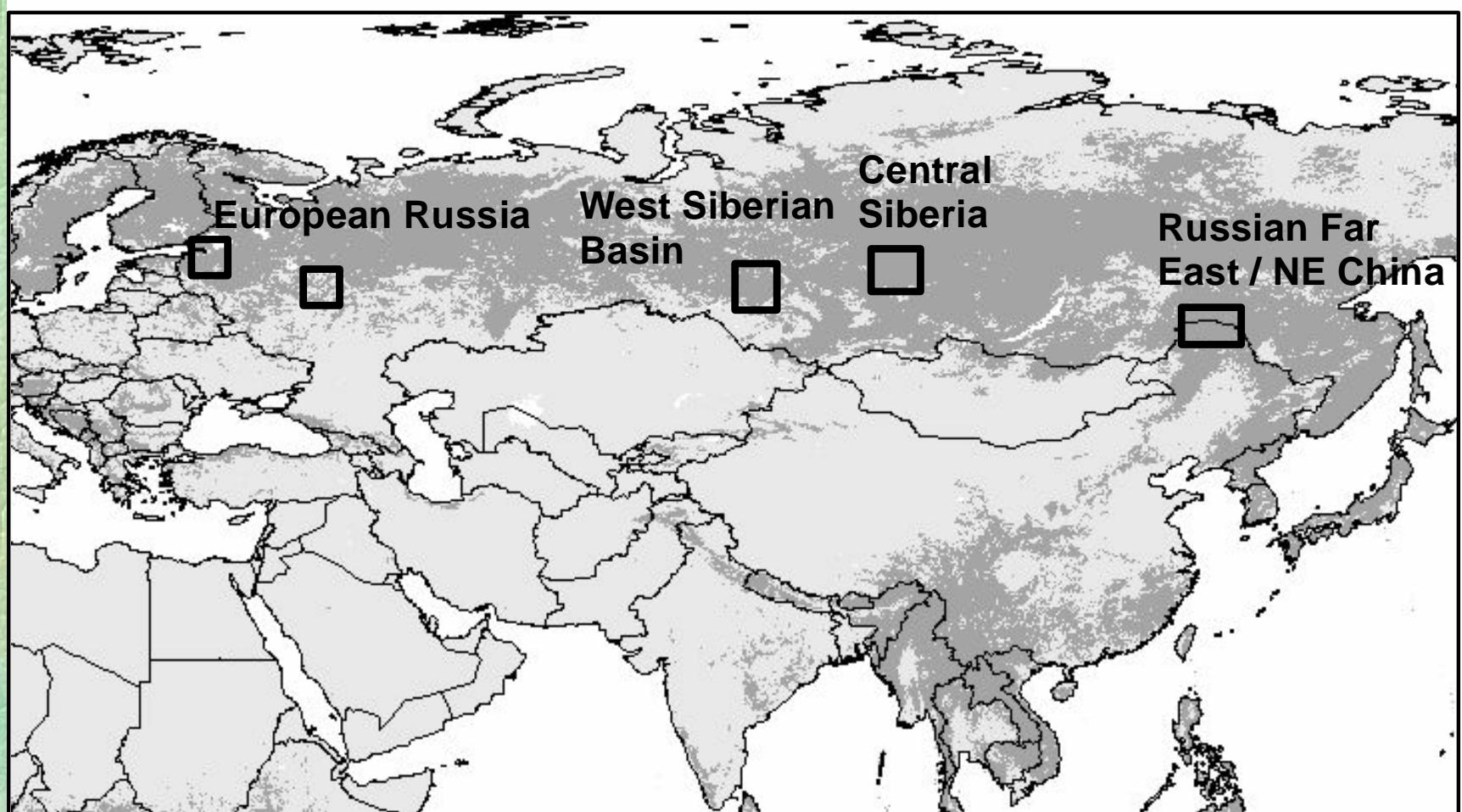


(Northern Eurasia Landcover Dynamics Analysis)

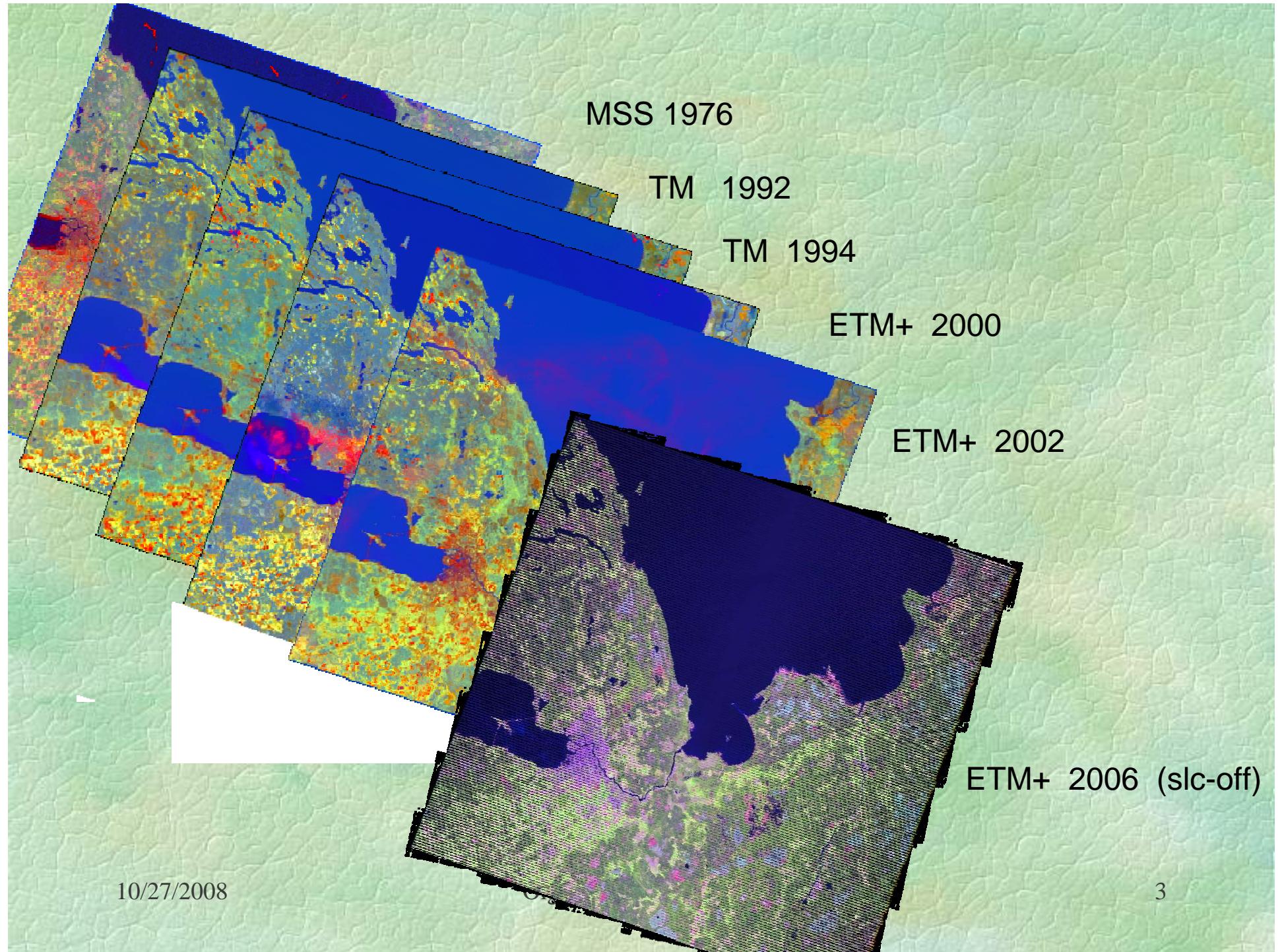
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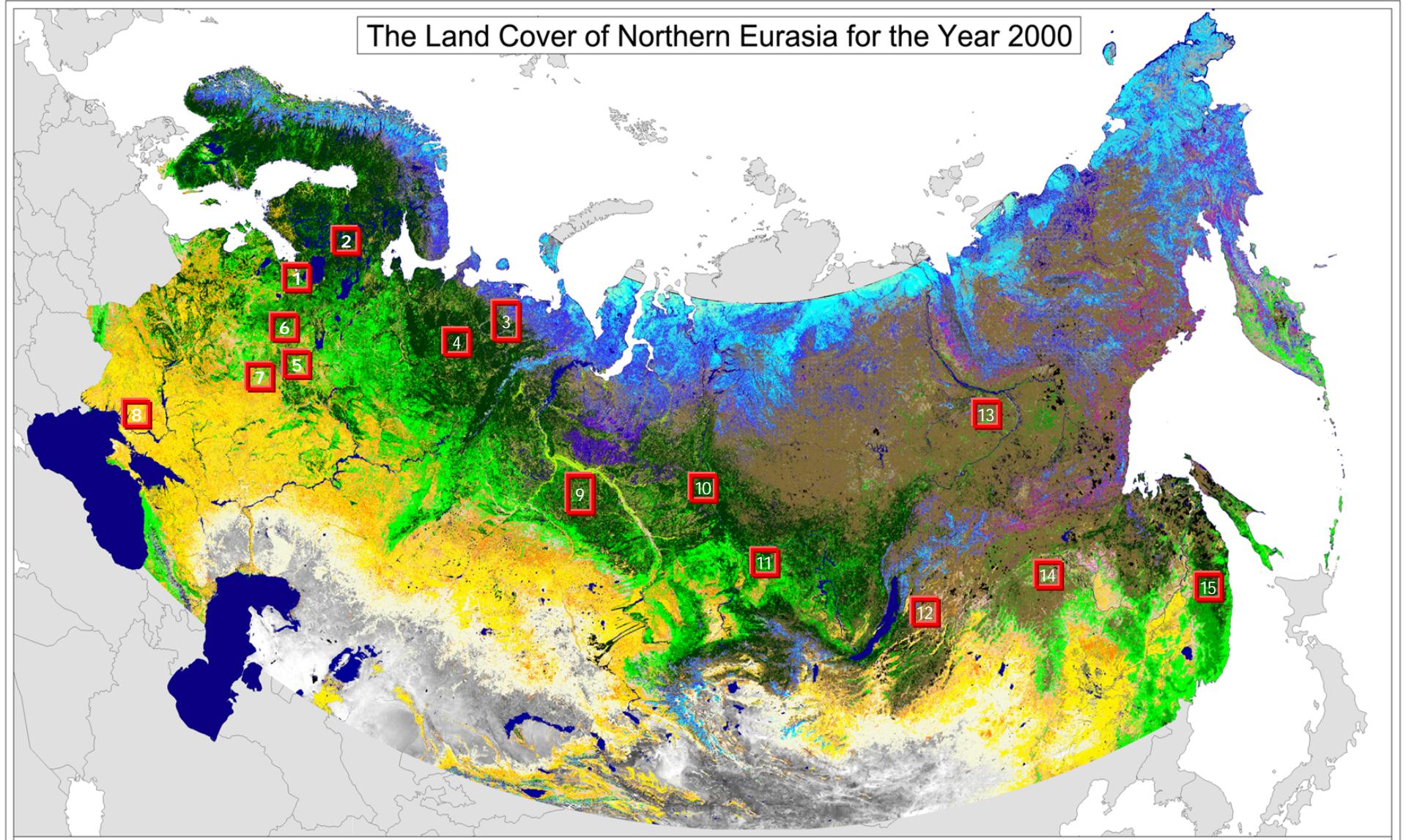
NELDA study regions and sites. Dark gray shading indicates extent of forest and woodland cover (DeFries et al., 1998).



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3

The Land Cover of Northern Eurasia for the Year 2000



Location of NELDA test sites (Map was created at EC JRC as part of GLC 2000 project, Bartalev et al. 2003)

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US

- Oregon State University - Olga N. Krankina
- NASA Goddard Space Flight Center – Jeff Masek and Jeff Morisette
- Boston University - Mark Friedl, Curtis Woodcock, Alessandro Baccini
- University of Maryland - Ivan Csiszar, Guoqing Sun, and Tatiana Loboda
- USDA FS Pacific Northwest Research Station – Warren Cohen

Eurasia

- Space Research Institute, Russian Academy of Sciences, Moscow – Eugeny Lupian, Sergey Bartalev, Dmitry Ershov
- Center for Information Technologies Development, Moscow – Alexander Maslov and Natalia Vandysheva
- Institute of Monitoring of Climatic and Ecological Systems, Tomsk – Evgeny Gordov
- V.N. Sukachev Institute of Forest, Krasnoyarsk – Slava Kharuk
- Institute of Biology, Komi Scientific Center, Syktyvkar – Vladimir Elsakov
- Institute of Sustainable Development of Ukraine, Kiev – Mykola Zalogin

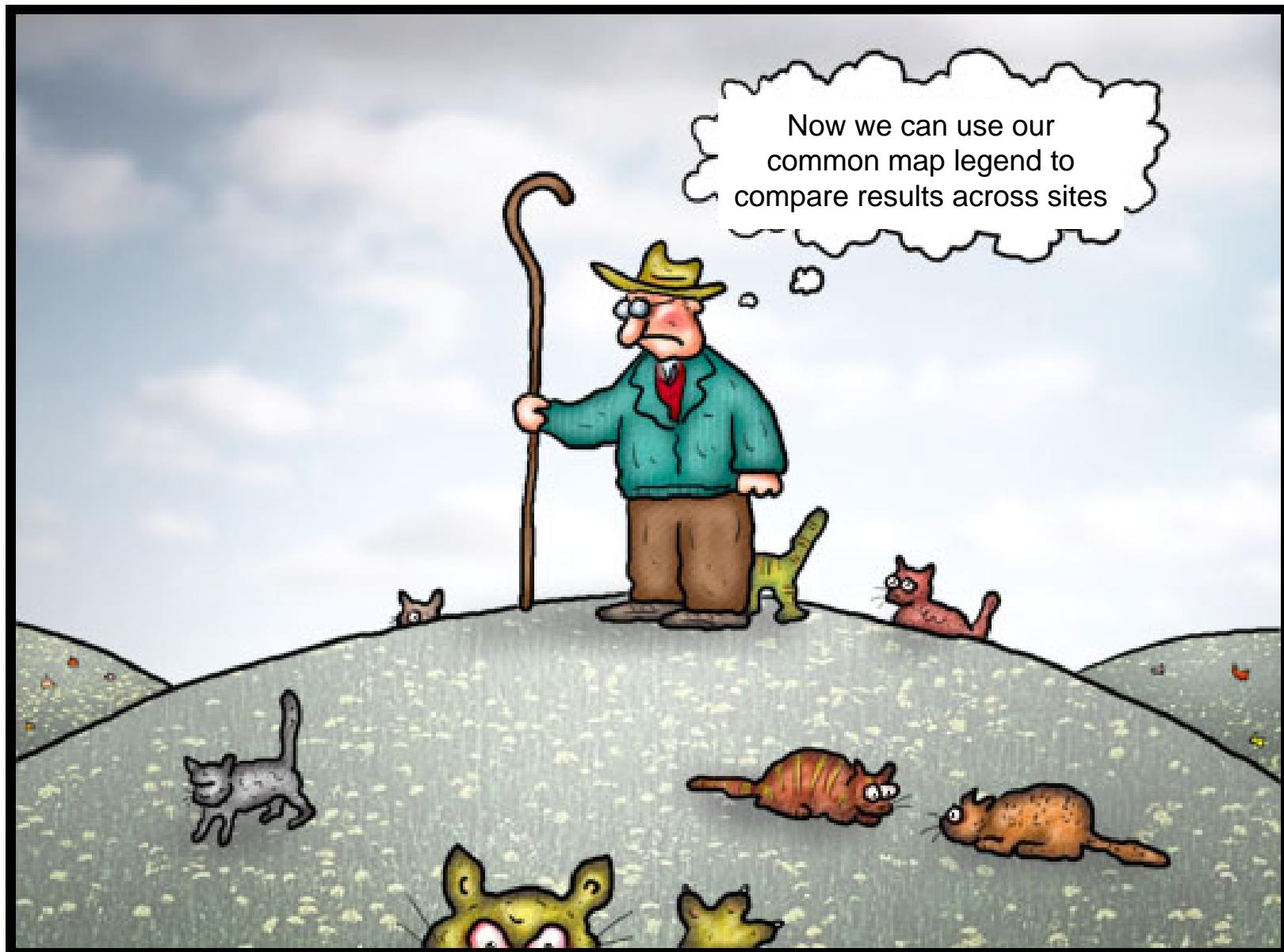


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5

DOCTOR FUN

| Oct 2002

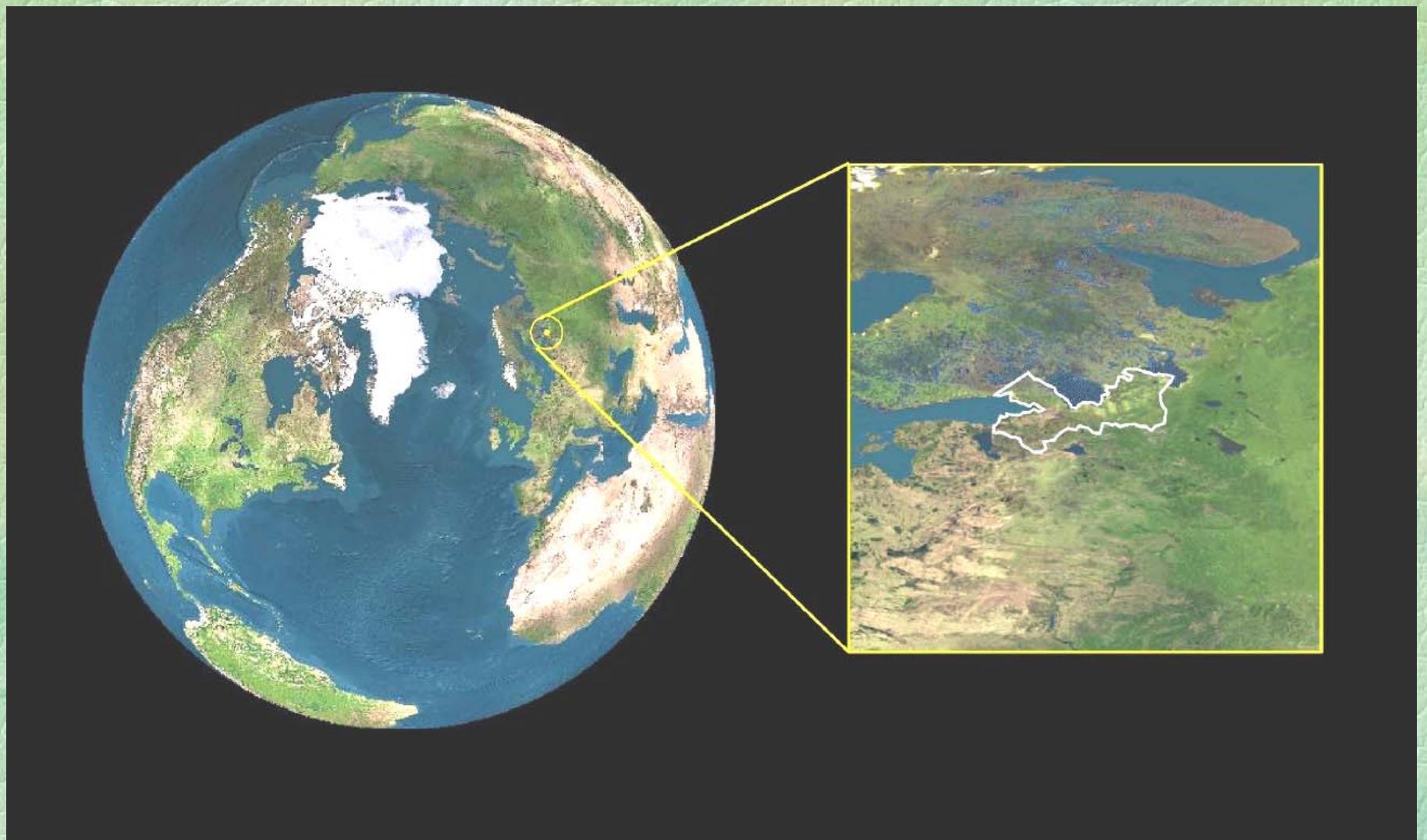


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only. Opinions expressed herein are solely those of the author.

The daydreams of cat herders

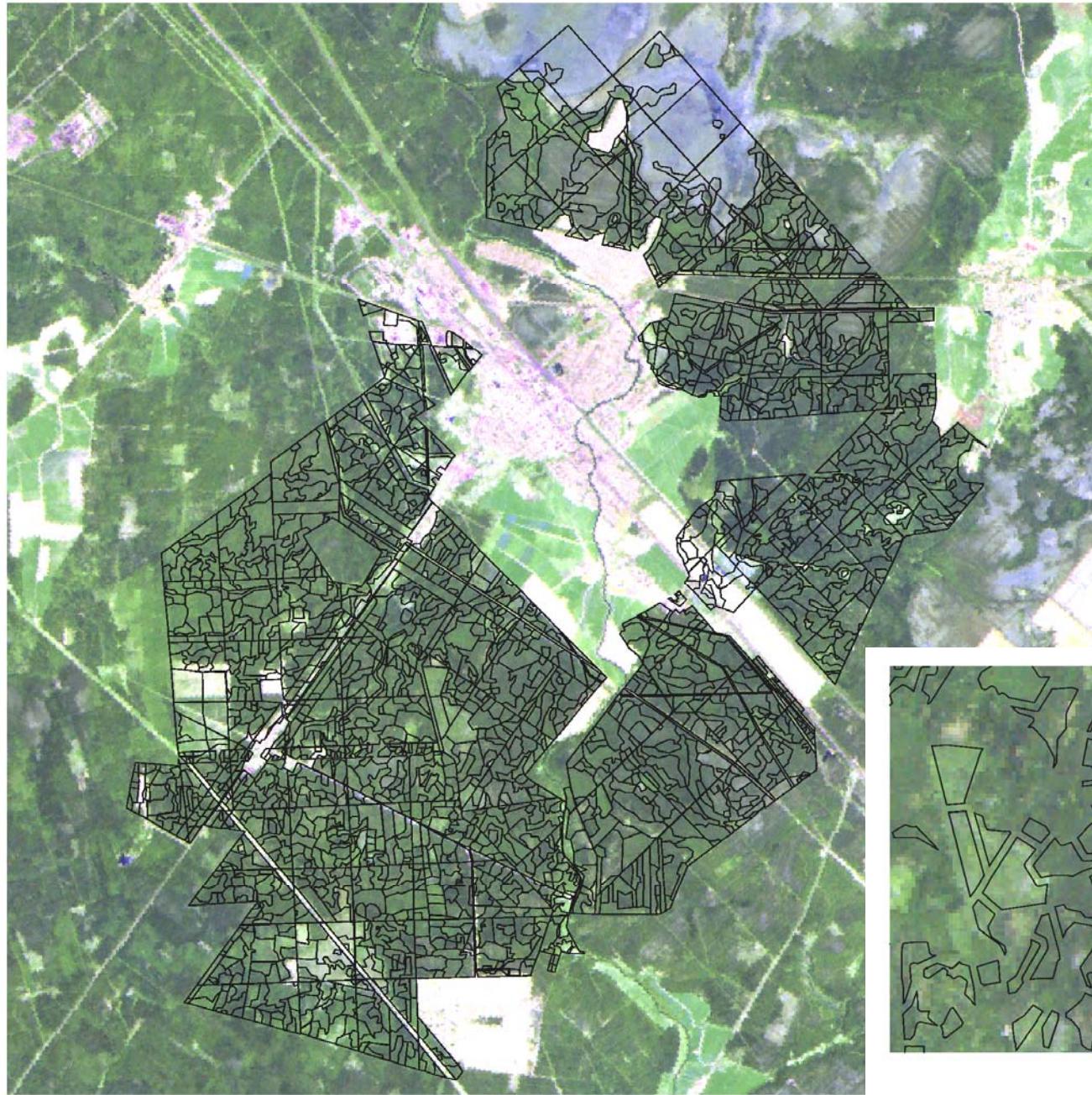




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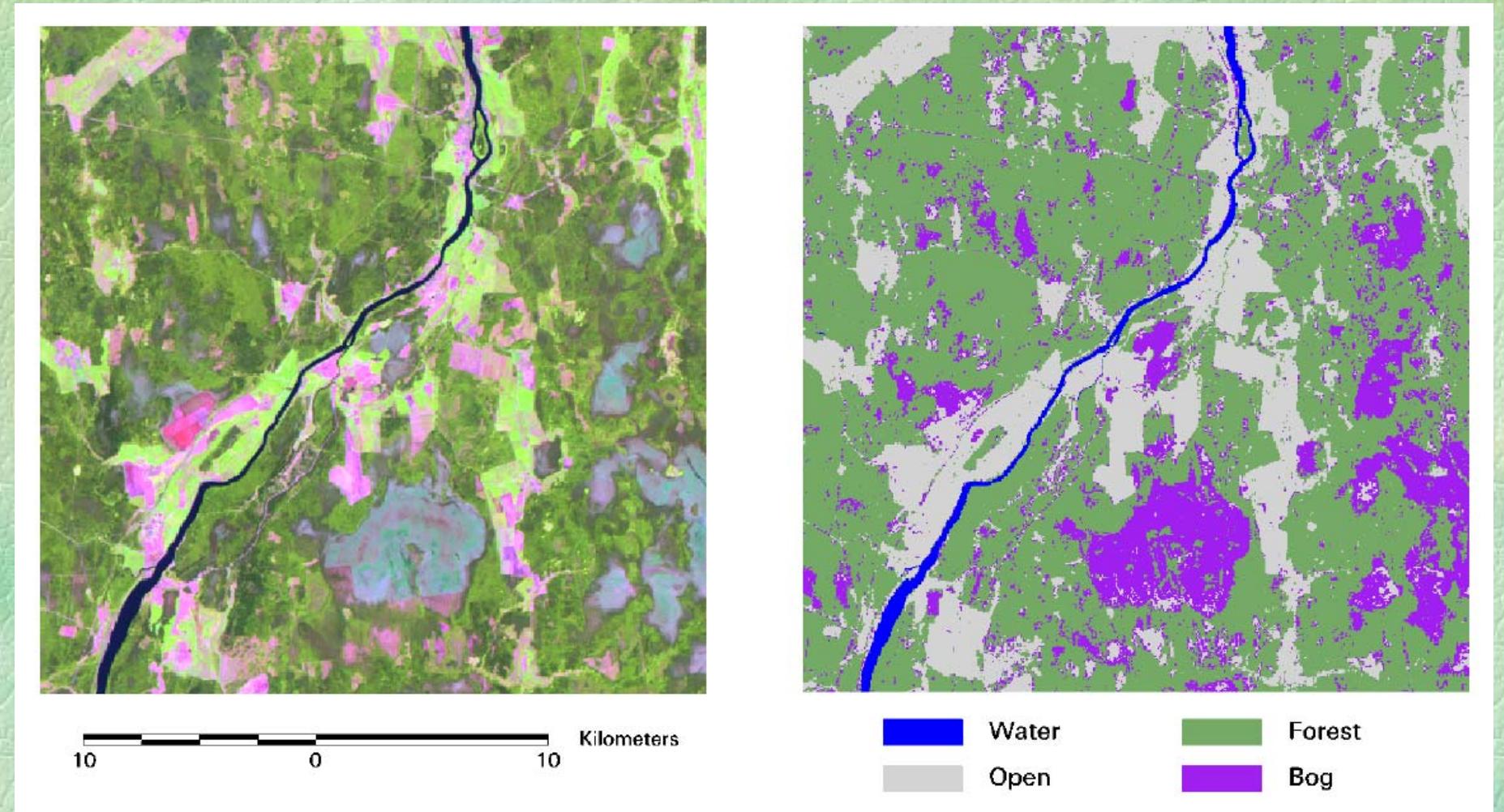
0 5 Kilometers



1 0 1 Kilometers



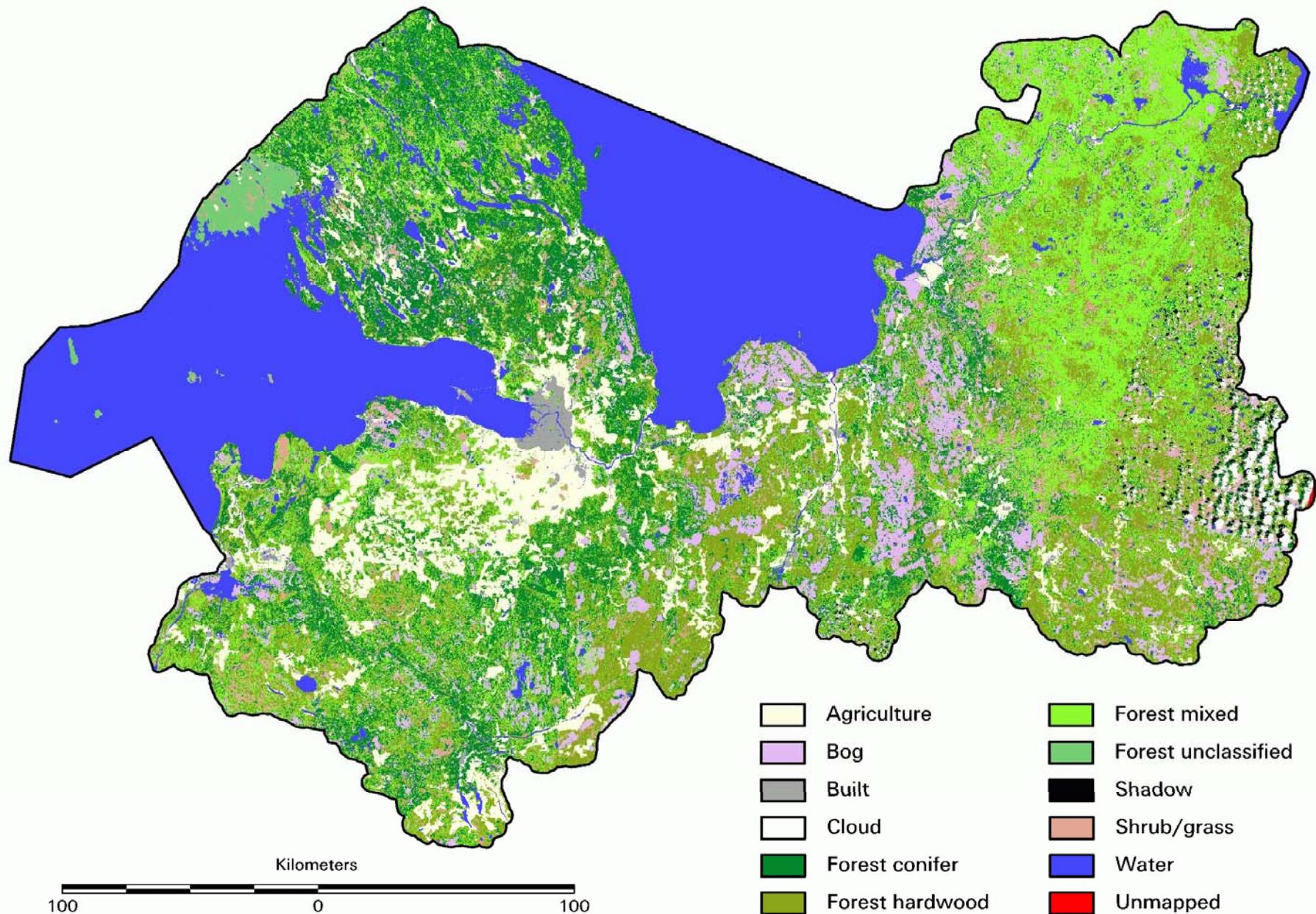
Unsupervised Classification

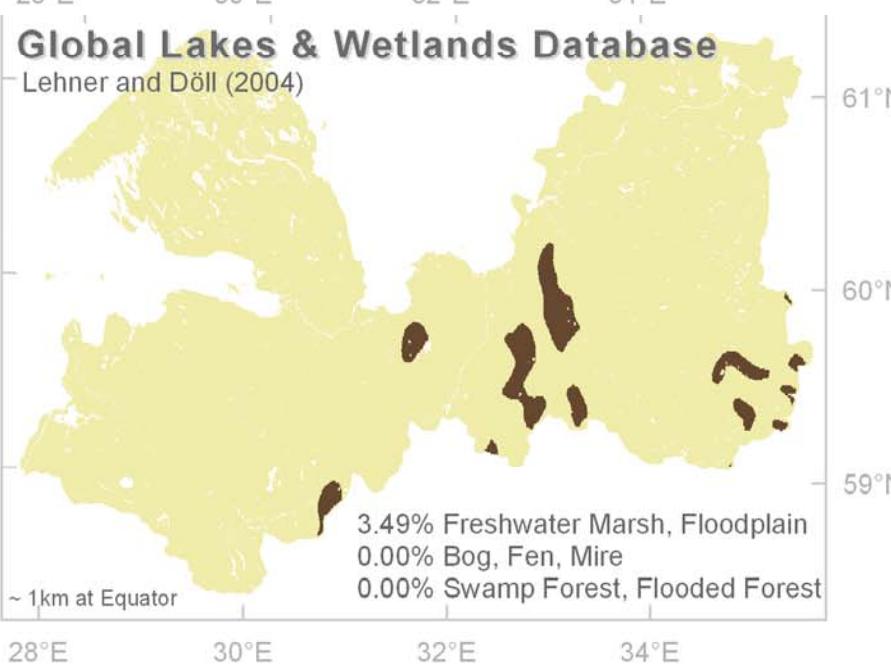
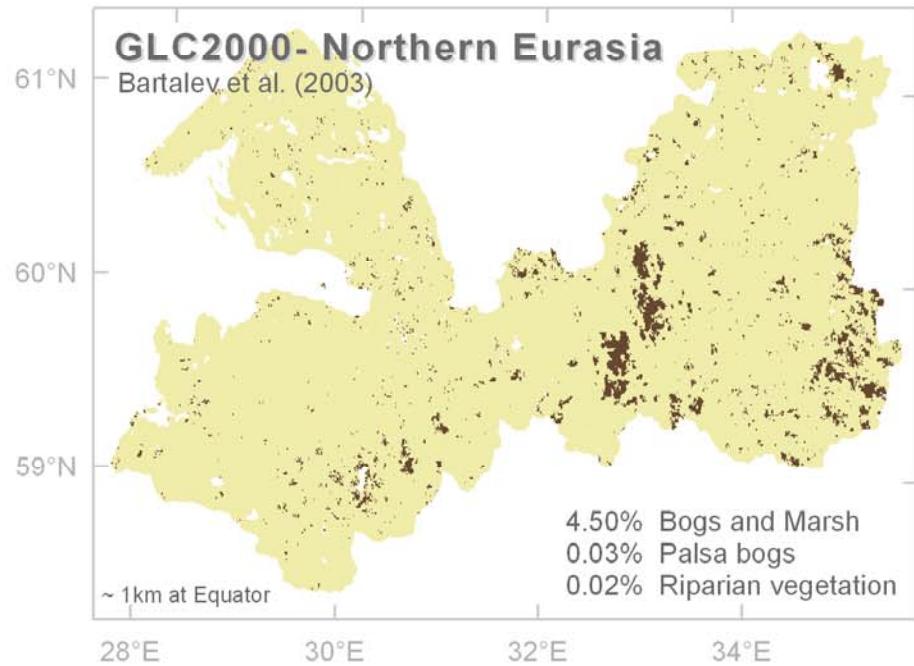
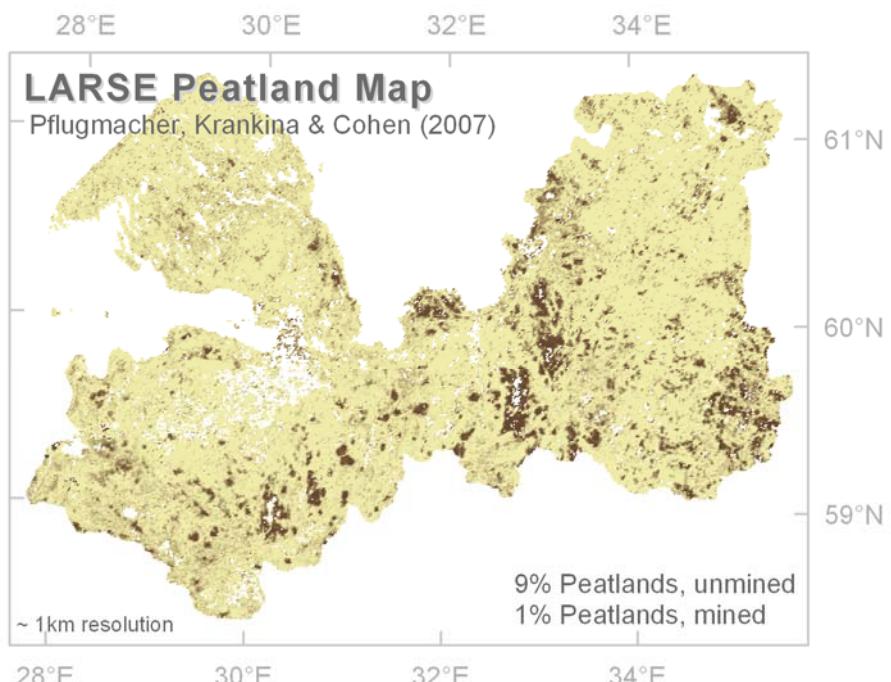
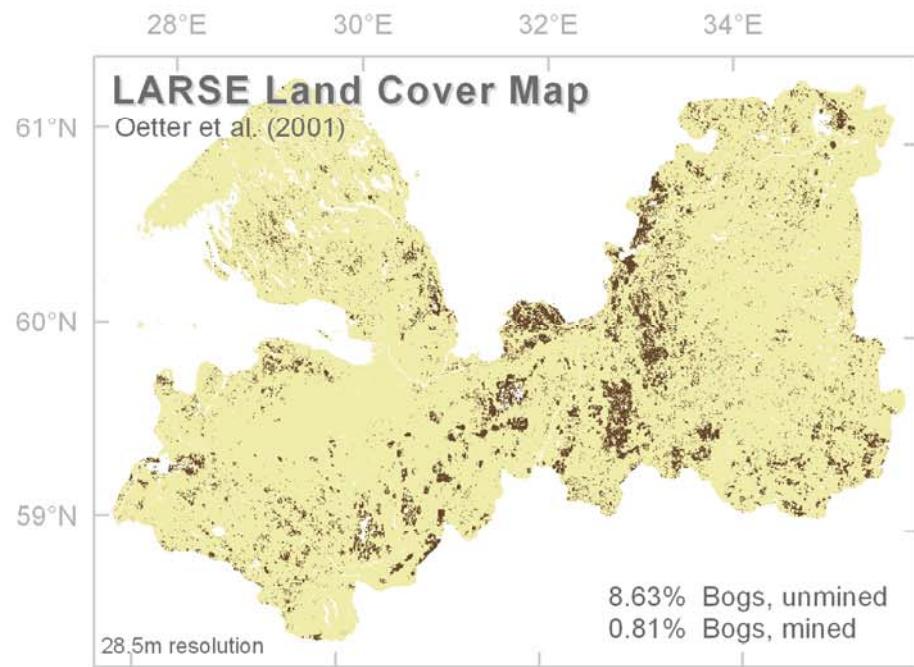


Landsat TM (Bands 5, 4, 3)
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First Level Classification





Proposed NELDA Land Cover Legend

<u>Baseline Legend¹</u>		<u>Possible Additional Distinctions</u>
<u>Tree Dominated</u>		
Needleleaved	Closed ²	
Evergreen	Open ³	
Deciduous	Closed	
Broadleaved	Open	
Evergreen	Closed	Cover Detail Mortality (yes/no) Species Wetland Trees (yes/no)
Open		Understory Characteristics Managed Plantation (Tree Farm/Orchard)
Deciduous	Closed	
	Open	
Mixed	Closed	
	Open	

¹ The assumption is to use high resolution imagery (20 – 50 meters) and minimum mapping unit 1 – 2 hectares

² Closed > (> 65)%

³ Open (65-15)%



Tree Classes

- + Tree-Needleaved-Evergreen-Open
- X Tree-Needleaved-Evergreen-Closed

Dry

3

1

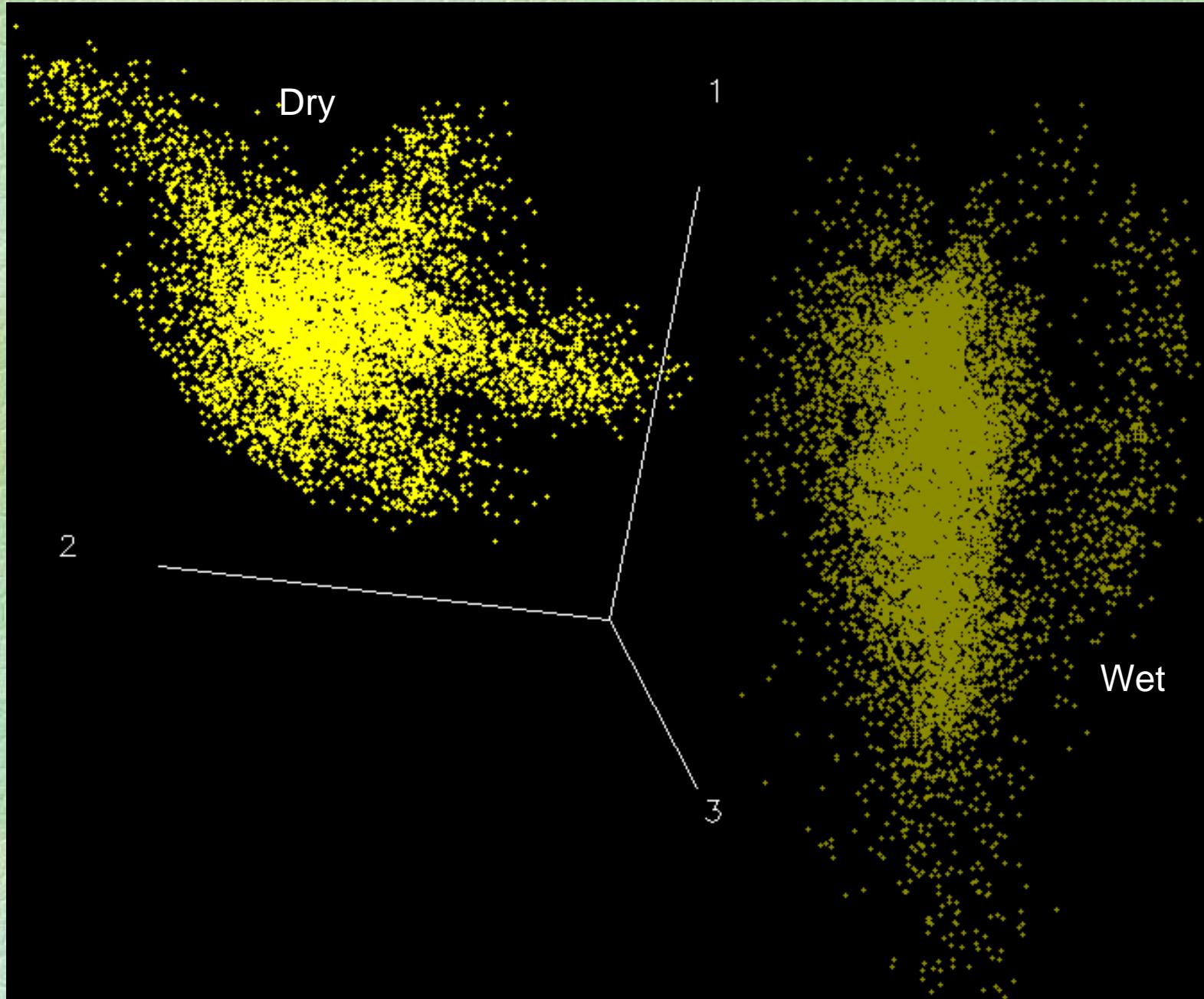
Wetland

2

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15

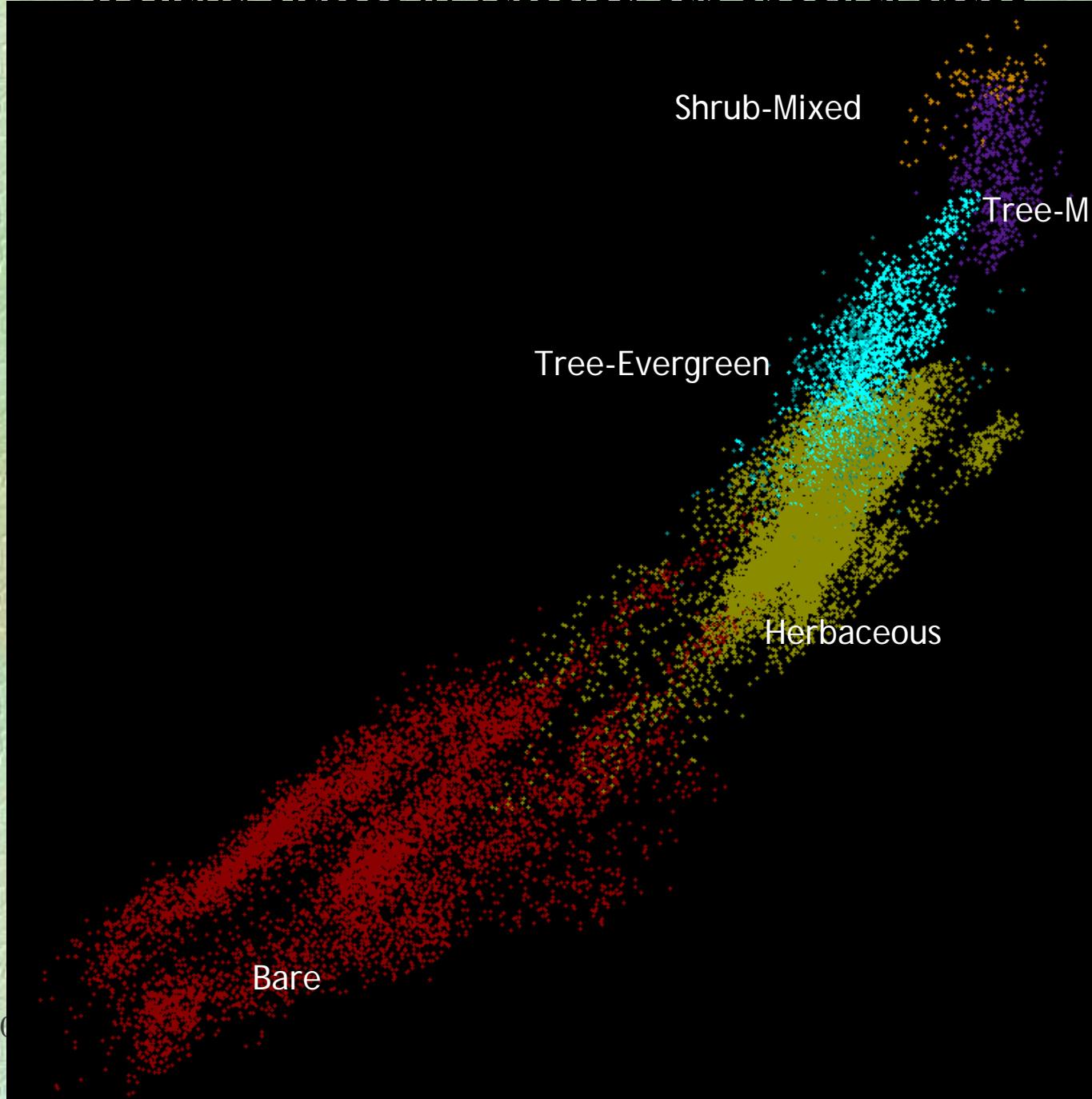
Herbaceous Class in TC Spectral Space







Wetland Classes in Tasseled Cap Spectral Space



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