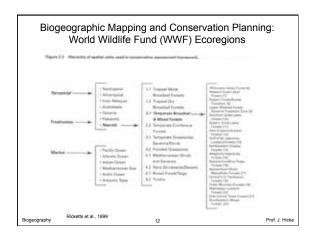
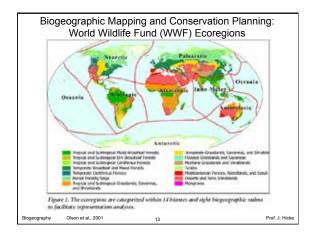
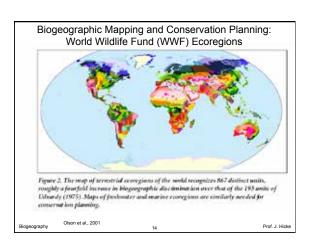


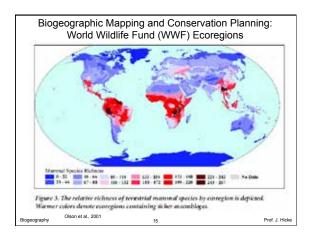
### Distribution of pines and southern beeches Long dispersal distances, ocean barriers prevented cold-adapted angiosperms to colonize Northern Hemisphere high latitudes 100 pine species, only several southern beech species

## Biogeographic Mapping and Conservation Planning: World Wildlife Fund (WWF) Ecoregions "Biodiversity ignores national and other political boundaries, so a more relevant conservation planning unit is required - WWF addresses this need with ecoregions." (www.worldwildlife.org/science/ecoregions) Ability to focus conservation efforts strategically is hindered by a global map of biodiversity with sufficient biogeographic resolution to reflect the complex distribution of natural communities (Olson et al., 2001)









# Biogeographic Mapping and Conservation Planning: World Wildlife Fund (WWF) Ecoregions Maema Species Enderson Figure 4. The level of species embracions for accessful maemanals shows different patterns than that of sichness. Warmer colors denote corregions containing over ordered expecies. Biogeography Oson et al., 2001 Prof. J. Hicke

### Biogeographic Mapping and Conservation Planning: World Wildlife Fund (WWF) Ecoregions

WWF Global 200

"...a first attempt to identify a set of ecoregions whose conservation would achieve the goal of saving a broad diversity of the Earth's ecosystems. These ecoregions include those with exceptional levels of biodiversity, such as high species richness or endemism, or those with unusual ecological or evolutionary phenomena."

www.worldwildlife.org/science/ecoregions/g200.cfi

Biogeograph

17

Prof J Hick

### Biogeographic Mapping and Conservation Planning: World Wildlife Fund (WWF) Ecoregions

WWF Global 200 vision:

Identify and map priority areas critical to maintaining biodiversity

The vision should fulfill these basic tenets of conservation biology:

- <u>Representation</u> of all distinct natural communities within conservation landscapes and protected areas networks
- Maintenance of <u>ecological and evolutionary processes</u> that create and sustain biodiversity;
- Maintenance of <u>viable populations of all native species</u>; and
- Conservation of <u>blocks of natural habitat large enough</u> to be resilient to large-scale stochastic and deterministic disturbances and long-term changes.

www.worldwildlife.org/science/ecoregions/visions.cfm

Biogeography

Prof. J. Hicke

