



Living with Fire

Surviving the forest wildfires of California

Presentation by Yana Klabukova

Plan:

- *Fireweed*
- *Knobcone Pine*
- *Giant Sequoia*



Fireweed

Wind-Dispersed Seeds



- *traveling with wind*
- *80k seeds per year*
- *recreating colonies*

Knobcone Pine

Burnt Pine Cone

- *extremely fire resistant*
- *opened with a fire of 203 °C*

Unburnt Pine Cone

- *closed even after the tree has dead*



Giant Sequoia

Fire-Resistant Bark

- *trees can have bark up to 2 feet thick*
- *height is 250 feet - about the wingspan of a Boeing 747*



Seed Germination

- *seeds germinate well in mineral soil - layer below needles and decomposed material on forest floor that is exposed after fires burn.*



Summary:

- *Wind Dispersed Seeds*
- *Pine Cone*
- *Fire-Resistant bark & Seed Germination*