





Forest management and wood chain in Switzerland -

Swiss Forest Policy 2020

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Trento, 4th May 2013



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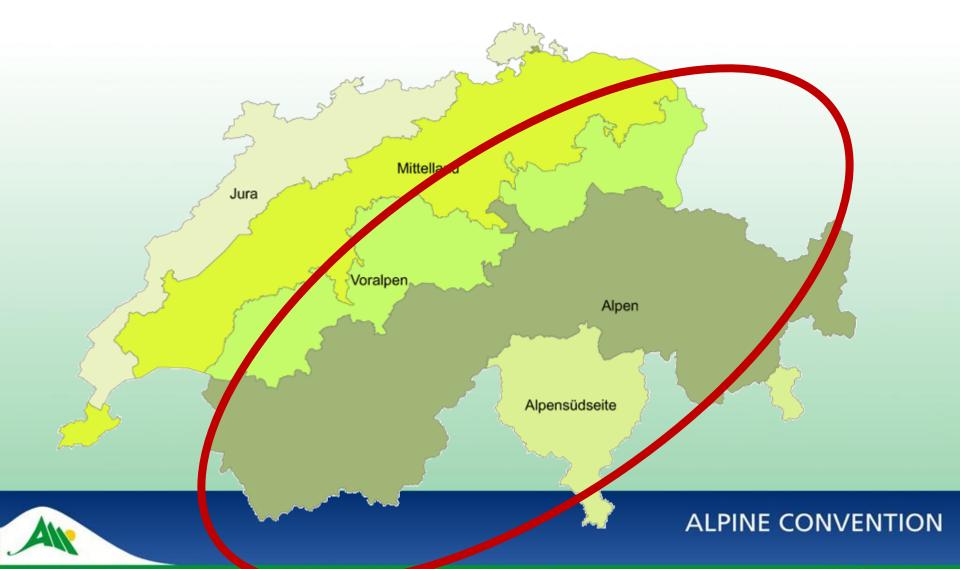
Content

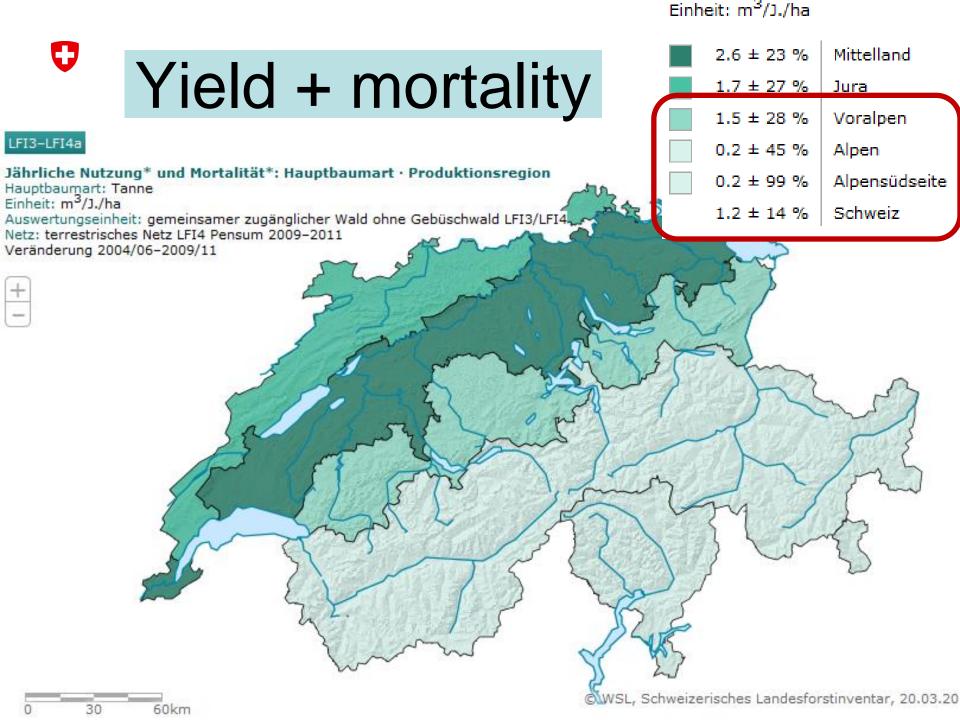
- Alpine forests in Switzerland wood potential
- Forest Policy 2020
- Finances for measures implementing the Policy

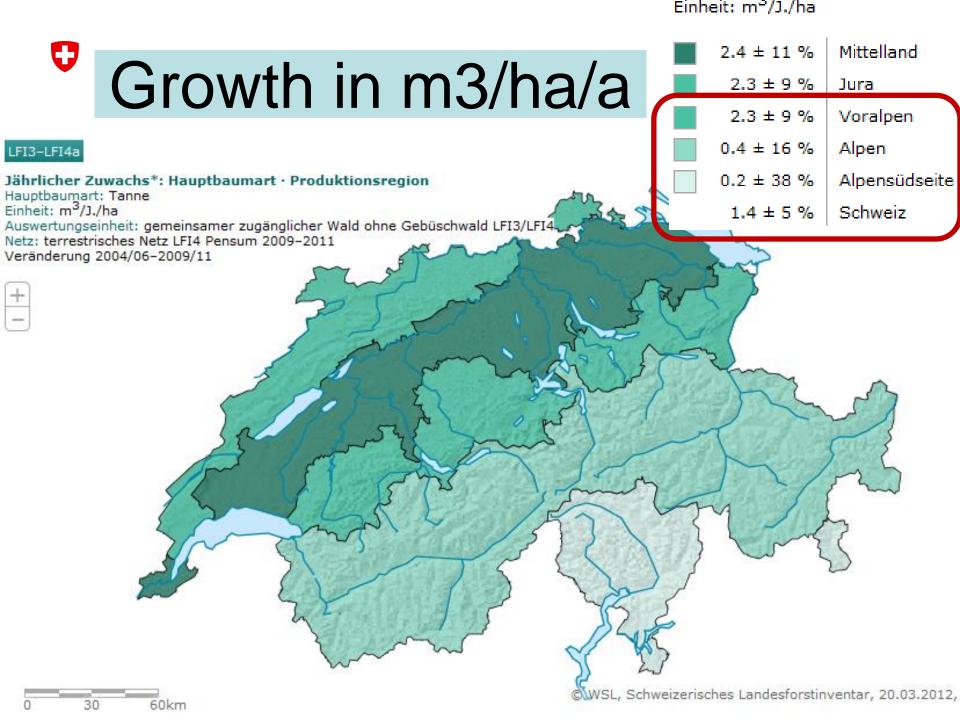


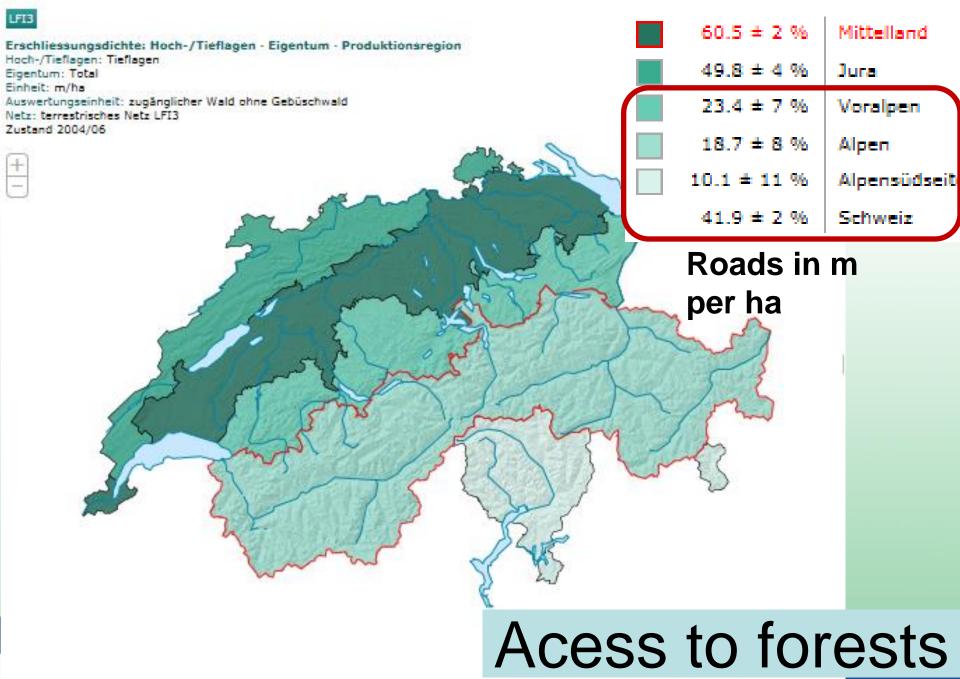


Alpine Region in Switzerland











Last intervention > 50 years

LFI3

Waldfläche: Zeitpunkt des letzten Eingriffs · Vegetationshöhenstufe

Einheit: %

Auswertungseinheit: gemeinsamer zugänglicher Wald ohne Gebüschwald LFI1/LFI2/LFI3

Netz: 1.4 x 1.4 km Netz

Zustand 2004/06

	Zeitpunkt des letzten Eingriffs									\				
	vor < = 5 Jahren		vor 6-10 Jahren		vor 11-20 Jahren		vor 21-30 Jahren		vor 31-50 Jahren		vor > 50	ahren	ren Total	
Vegetationshöhenstufe	%	±	%	±	%	±	%	±	%	±	%	±	%	±
obere subalpine	3.6	1.2	2.8	1.1	10.8	2.1	8.4	1.8	14.0	2.4	60.4	4.8	100.0	6.1
untere subalpine	17.4	1.3	12.3	1.1	18.2	1.3	11.9	1.0	14.5	1.1	25.8	1.5	100.0	2.7
obere montane	26.8	1.4	16.3	1.1	17.6	1.1	10.6	0.9	12.6	1.0	16.0	1.1	100.0	2.4
untere montane	35.3	1.6	18.8	1.2	16.2	1.1	10.0	0.9	9.6	0.9	10	0.9	100.0	2.5
kolline/submontane	43.0	1.5	18.2	1.1	14.0	0.9	9.0	0.8	5.6	0.6	10.1	0.8	100.0	2.0
Total	30.4	0.6	16.0	0.5	16.1	0.5	10.2	0.4	10.4	0.4	16.9	0.5	100.0	0.6

berechnet pro Aussageeinheit: Produktionsregion



Forest Policy 2020: Focal points

Potential wood supply (incl. Forests access)

Climate change

Protective capacity

Biodiversity

Forest area

Economic performance

Soil, drinking water and vitality

Harmful Organisms

Forest – wild game

Recreation

Education, research, knowledge





















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Potential wood supply

Strategic approaches

- Decisions based on scientific background
- Ensure access to forest ressources requires adaptation of access roads to modern harvesting techniques
- Improved processing and marketing channels for hard wood (=broad leaved trees like beach, ash, oak)

Impact on national financing





Climate change (Adaption and mitigation)

Strategic approaches

- Research on impact of c.c. and adaptation of management
- Enhancement of resilience
 requires regular and early thinnings, adapted forest stands,
 regeneration in protective forests, transition of dangered stands into
 stable stands, selection of SPECIES in regeneration
- Support in case of disturbance or dammage targeted prevention measures, restoration and reforestation

Impact on national financing \uparrow





Ensuring protective capacity of forests

Strategic approaches

- Harmonised zoning of protective forest areas
- Continuous financing of caring young forests through agreements federal-cantonal

Impact on national financing →







Programme: Protective Forest

- Protective forest maintenance in accordance with national guidelines / Sustainability in the Protective Forest)
- Forest-game concepts and measures
- Infrastructure for protective
 - forest maintenance including fire protection



Protection of human life and important infrastructure assets by....

Integrated Risk Management

- land-use planning (hazard maps etc.)
- preparedness measures (early warning, evacuation etc.)
- tecnical measures (dams, snow-rakes etc.)
- biological measures (protection forests, bioengineering etc.)





Conserve and enhance biodiversity

Strategic approaches

- near-natural silviculture on the entire managed forest area
- Protected forest areas from 4% to 8% in 2020, to 10% in 2030
- Additional measures to enhance biodiversity according regional targets (structured forest edges, dead wood, light-flooded forests, support to rare and forest

species/old trees relevant for

biodiversity)

Impact on national financing \uparrow





Finances on forest biodiversity

11 Indicators, e.g.

- Forest Reserves (small and big)
- Traditional types of forest managment
- Endangeres species (fauna and flora)
- Dead wood
- Compat invasive species
- etc.



Federal contribution

- 11 Mio per year
 Cantonal contribution
- 15 Mio per year



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Preserve forest area and govern further development

Strategic approaches

- Enforce present strict ban of forest clearance
- Assess carefully scope for exceptions
- Use flexible compensating measures for forest clearance to enhance biodiversity
- Use potential of static demarcation of forest boundaries towards open land

Impact on national financing ->





From Policy to implementation

Estimated additional financial input by the Confederation 2020:

→ Cantonal monetary inputs of the same amount are required

Focal issues	Till 2020				
Potential wood supply (incl. access to forests);	7				
Climate change (resilient forest stands)	^				
Protective capacity (present 60 Mio.)	→				
Biodiversity (present 10 Mio.)	^				
Harmful organisms (present 5 Mio.)	7				
Other focal issues (forest area, etc.)	→				
Total (2011 = 94 Mil. CHF)	About 150 Mil. CHF				

