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Bundesamt für Energie BFE  
Office fédéral de l'énergie OFEN  
Ufficio federale dell'energia UFE  
Swiss Federal Office of Energy SFOE

# Social Acceptance of Wind Energy in Switzerland

## Current status and crucial issues

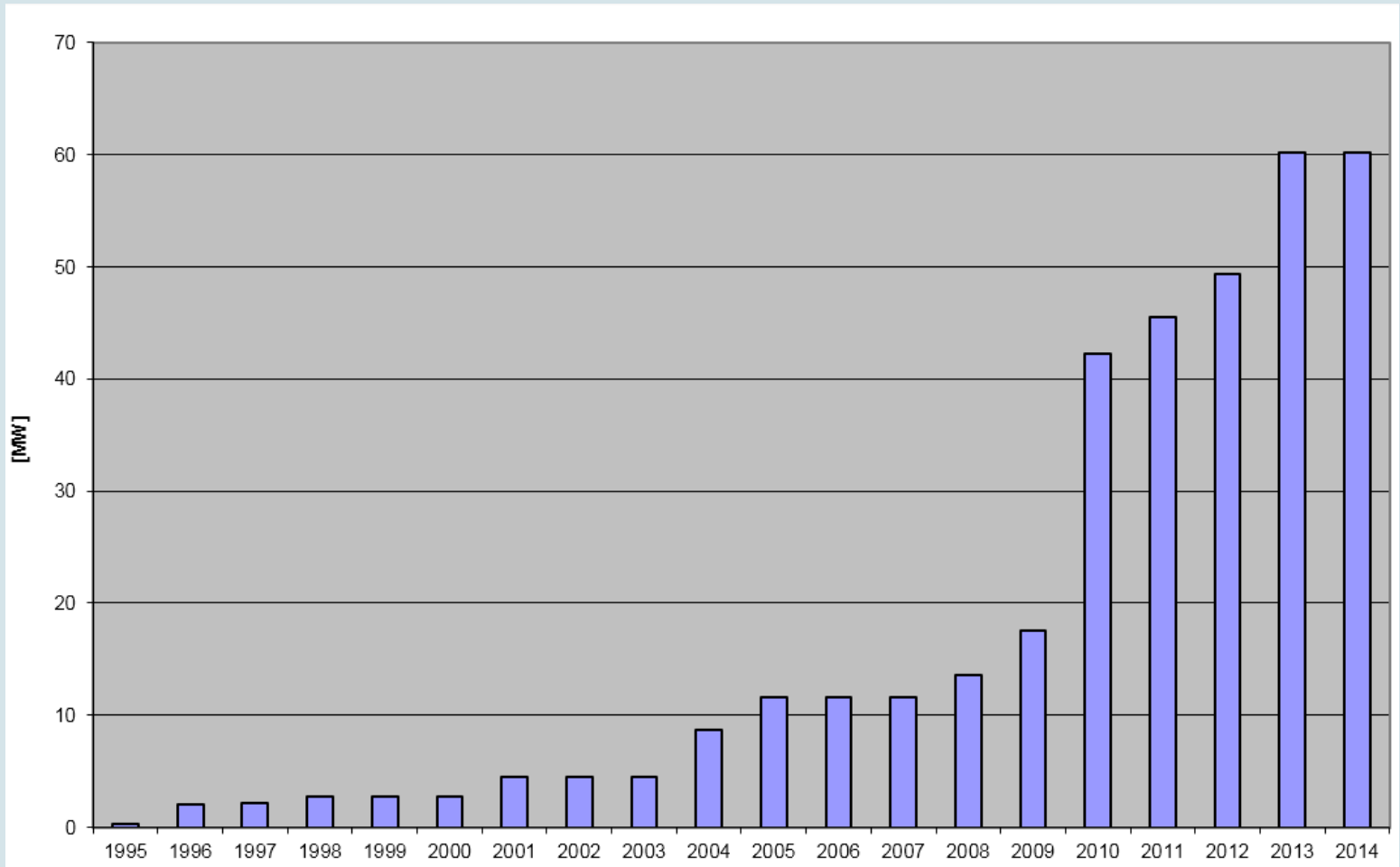


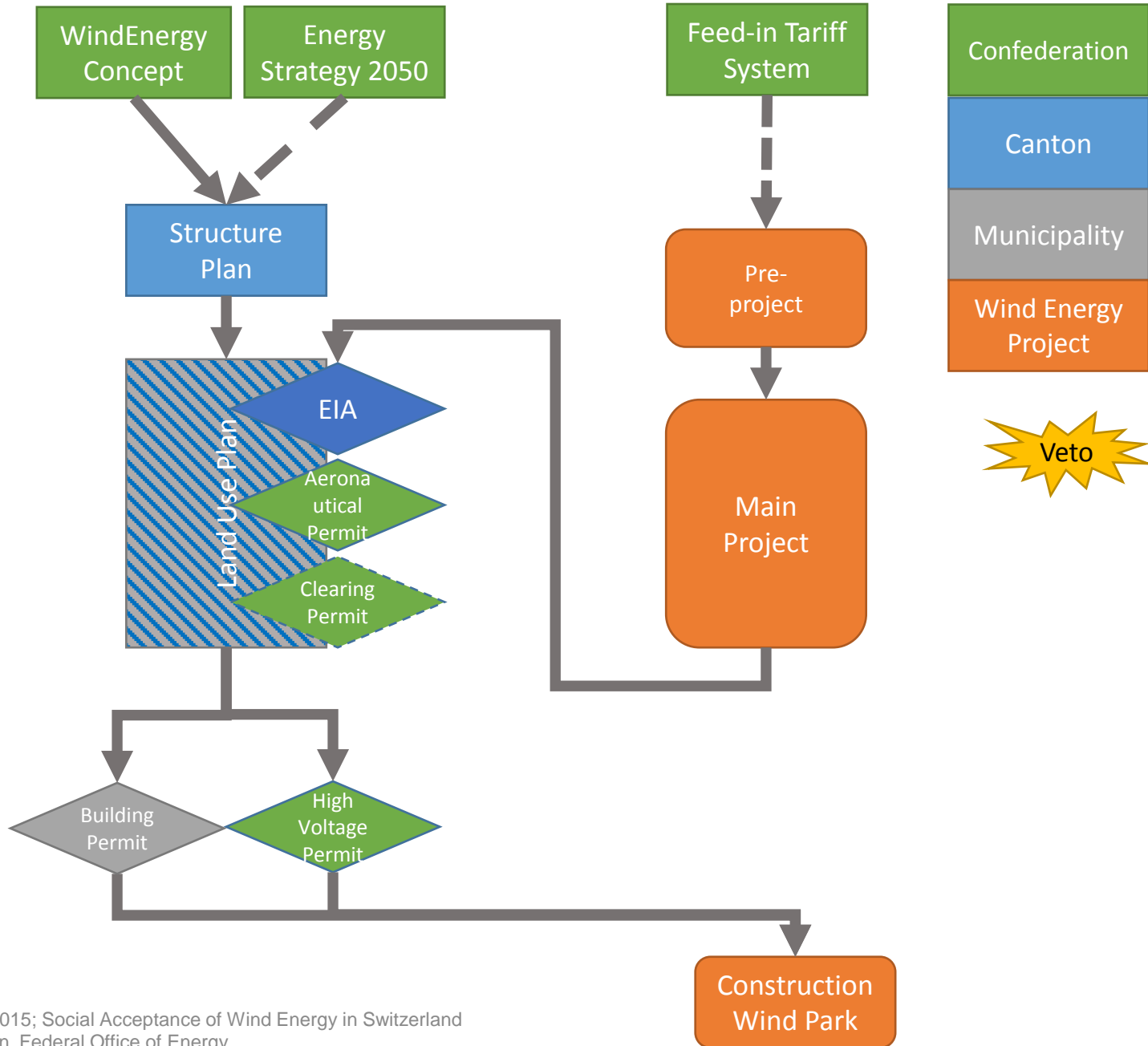
St.Gallen Forum 2015; Markus Geissmann, Federal Office of Energy

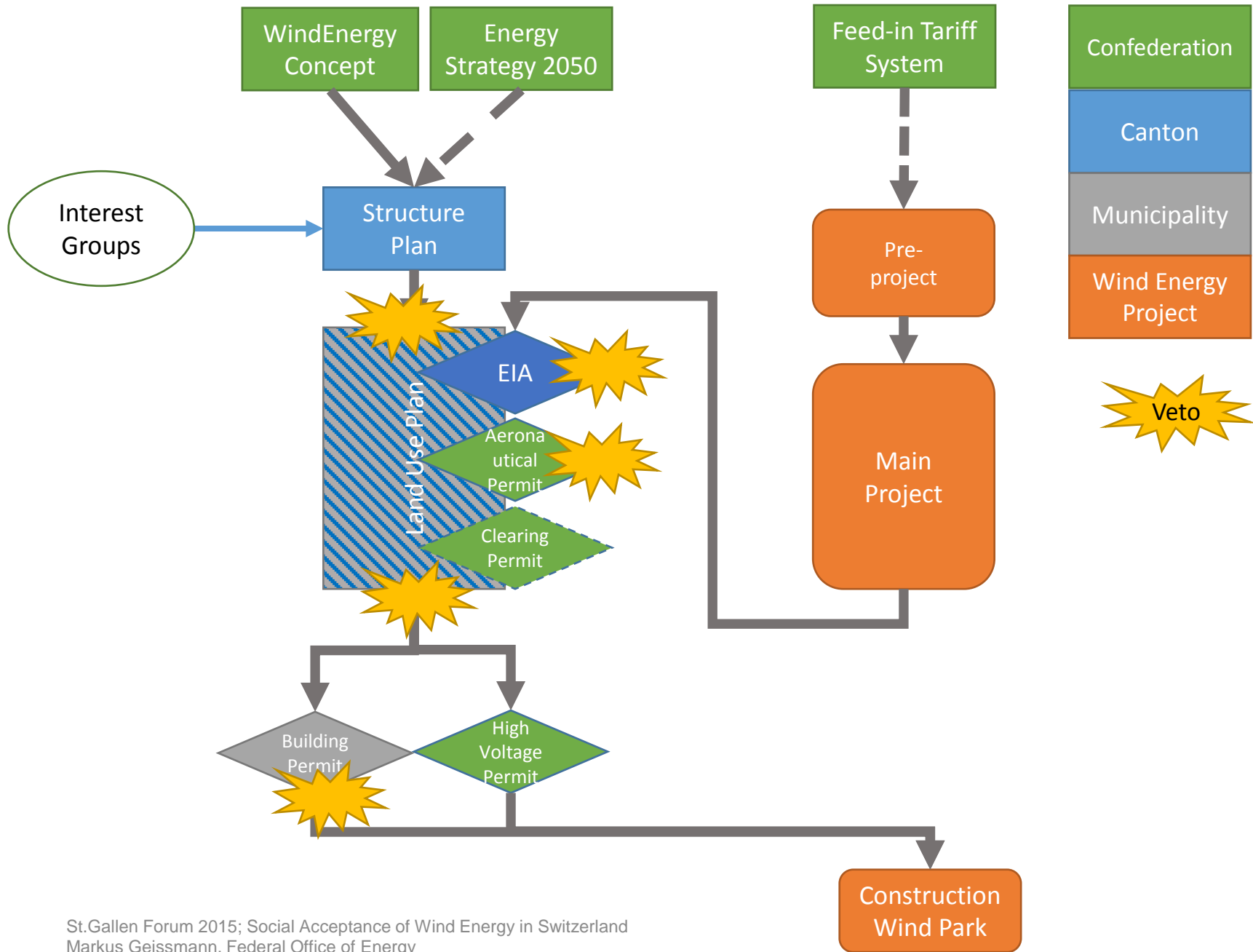


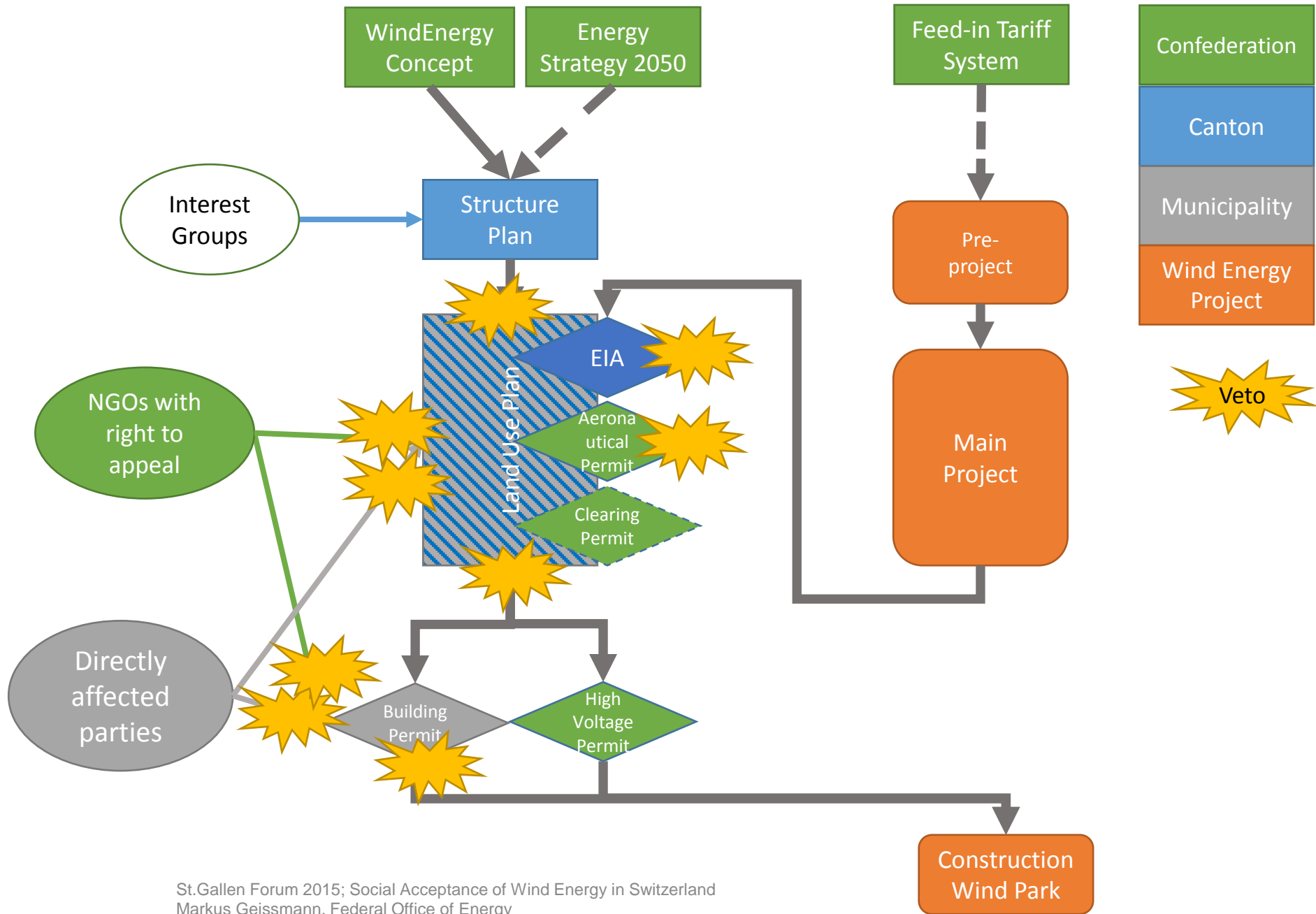
# Social Acceptance of Wind Energy in Switzerland

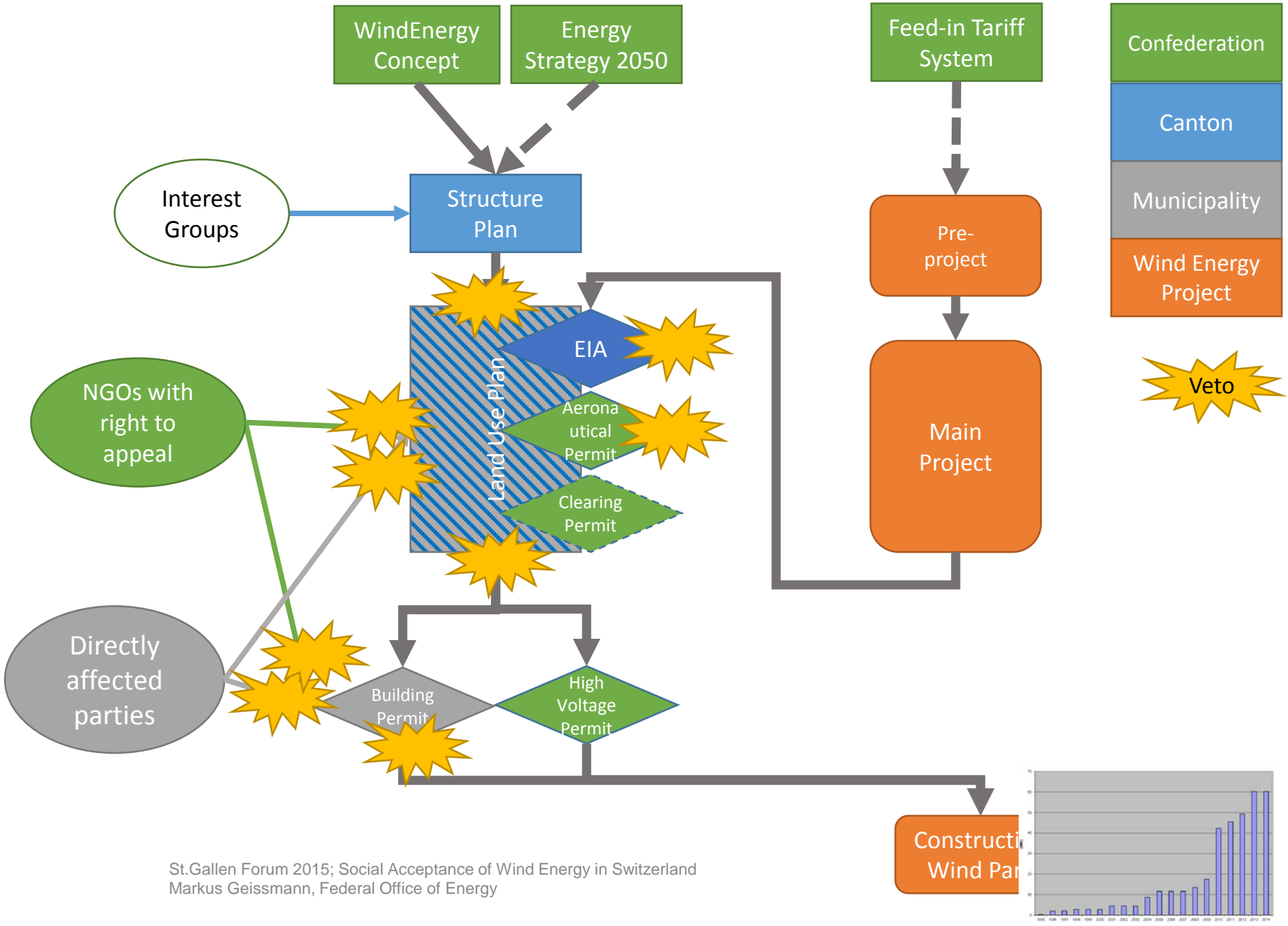
## Is it all about installed wind power?











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 Markus Geissmann, Federal Office of Energy



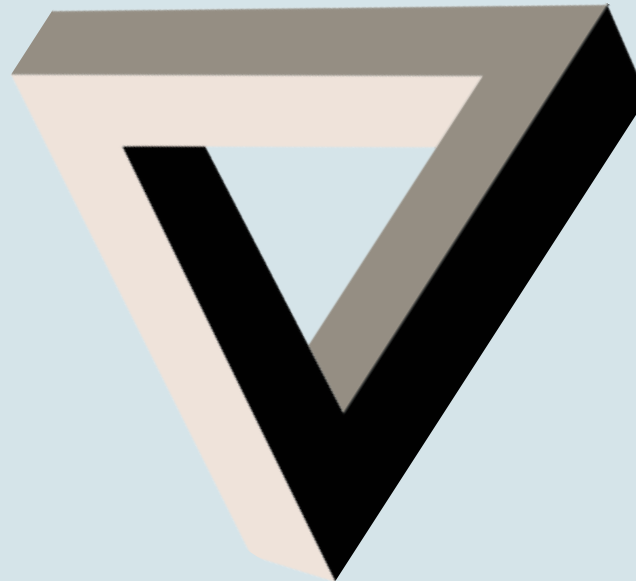
# The triangle of social acceptance of RE projects

## Socio-political acceptance

- of technologies and policies
- by the public
- by key stakeholders
- by policy makers

## Market acceptance

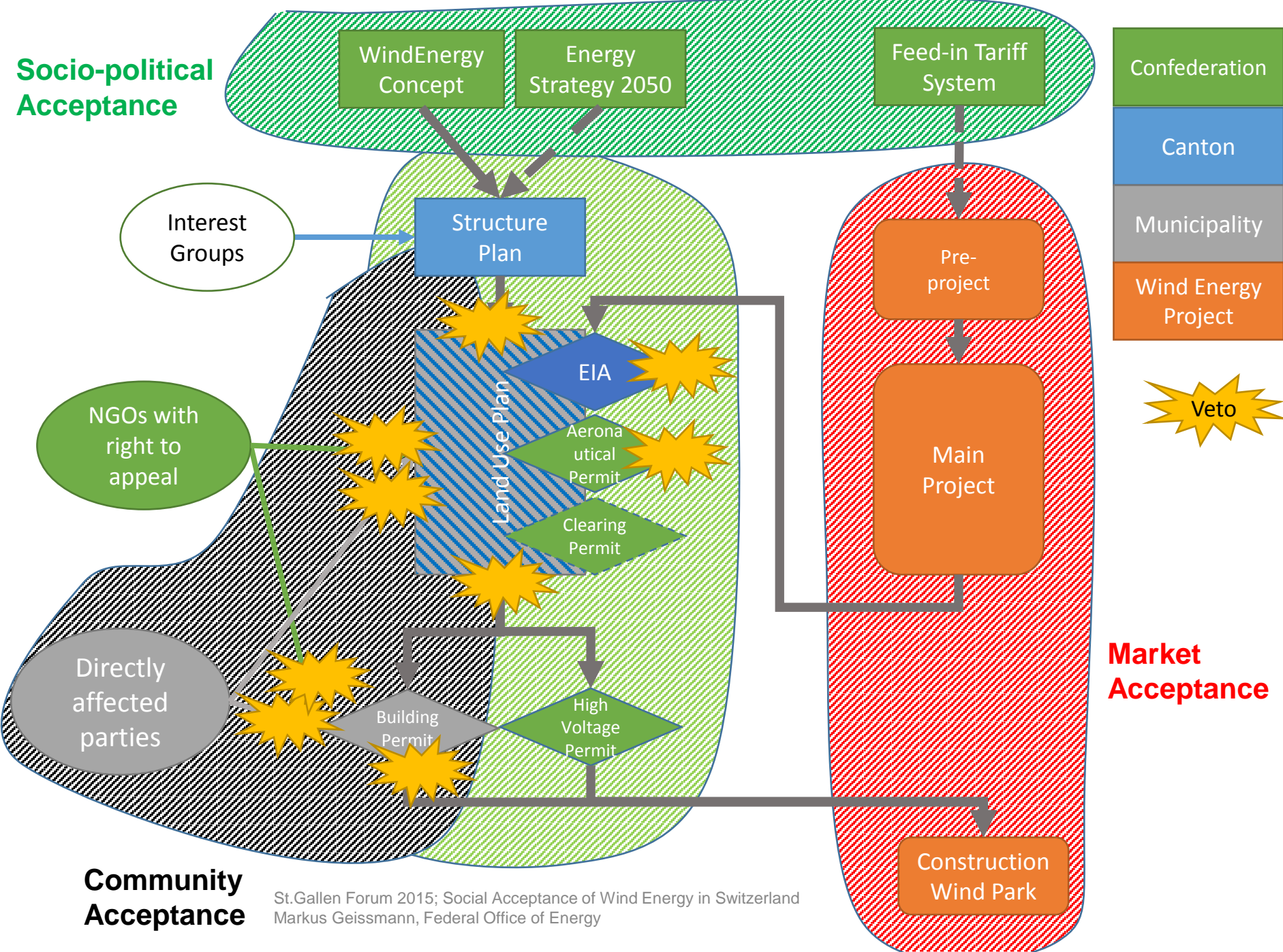
- Consumers
- Investors
- Intra-firm



## Community acceptance

- procedural justice
- distributional justice
- trust

# Socio-political Acceptance



# Community Acceptance

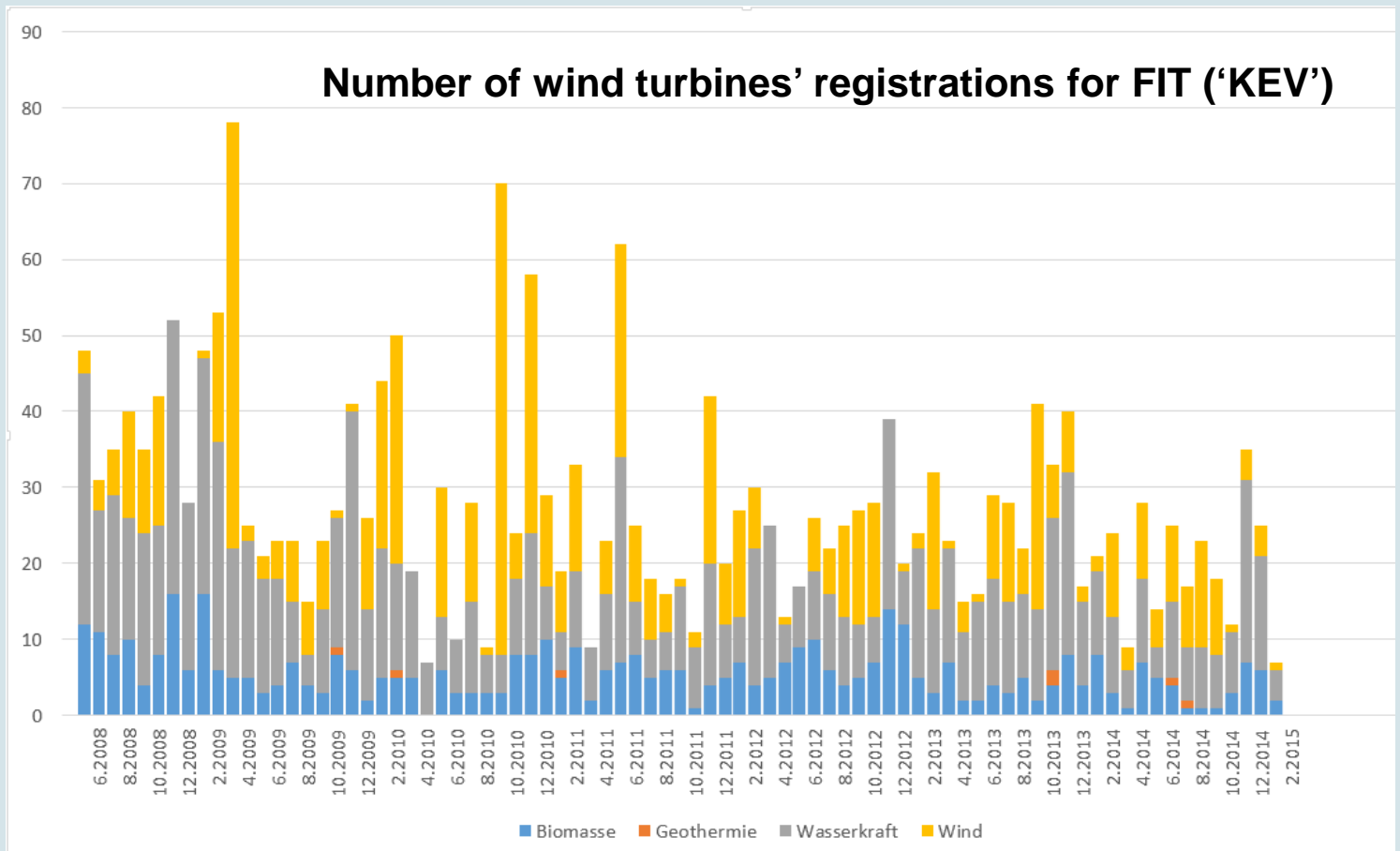
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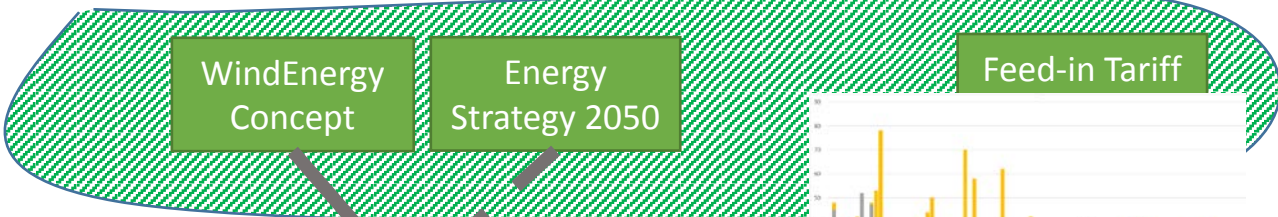


# Social Acceptance of Wind Energy in Switzerland

## FIT system data

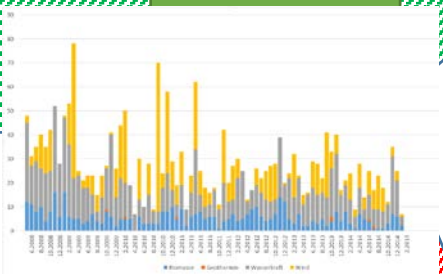


**Socio-political Acceptance**

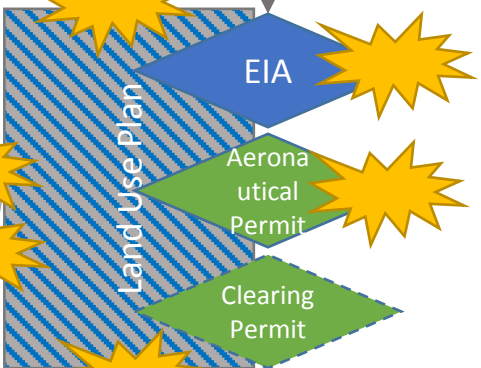


Interest Groups

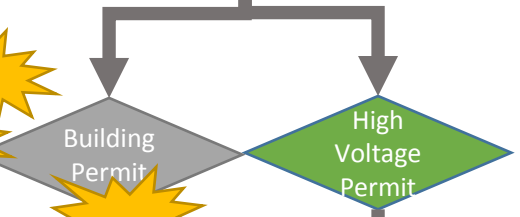
Structure Plan



NGOs with right to appeal



Directly affected parties



Veto

**Market Acceptance**

Construction Wind Park



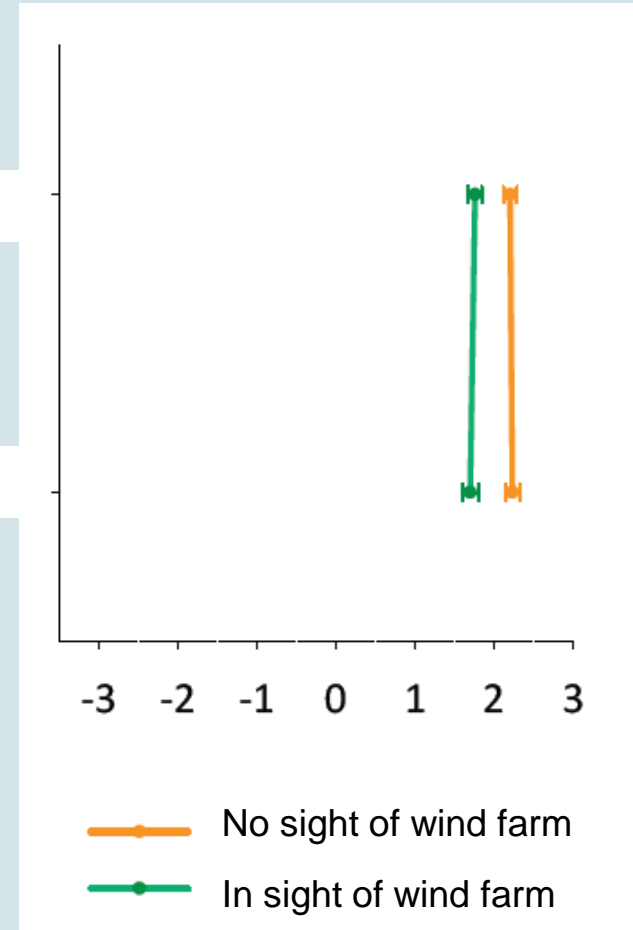
# Social Acceptance of Wind Energy in Switzerland

## Survey results

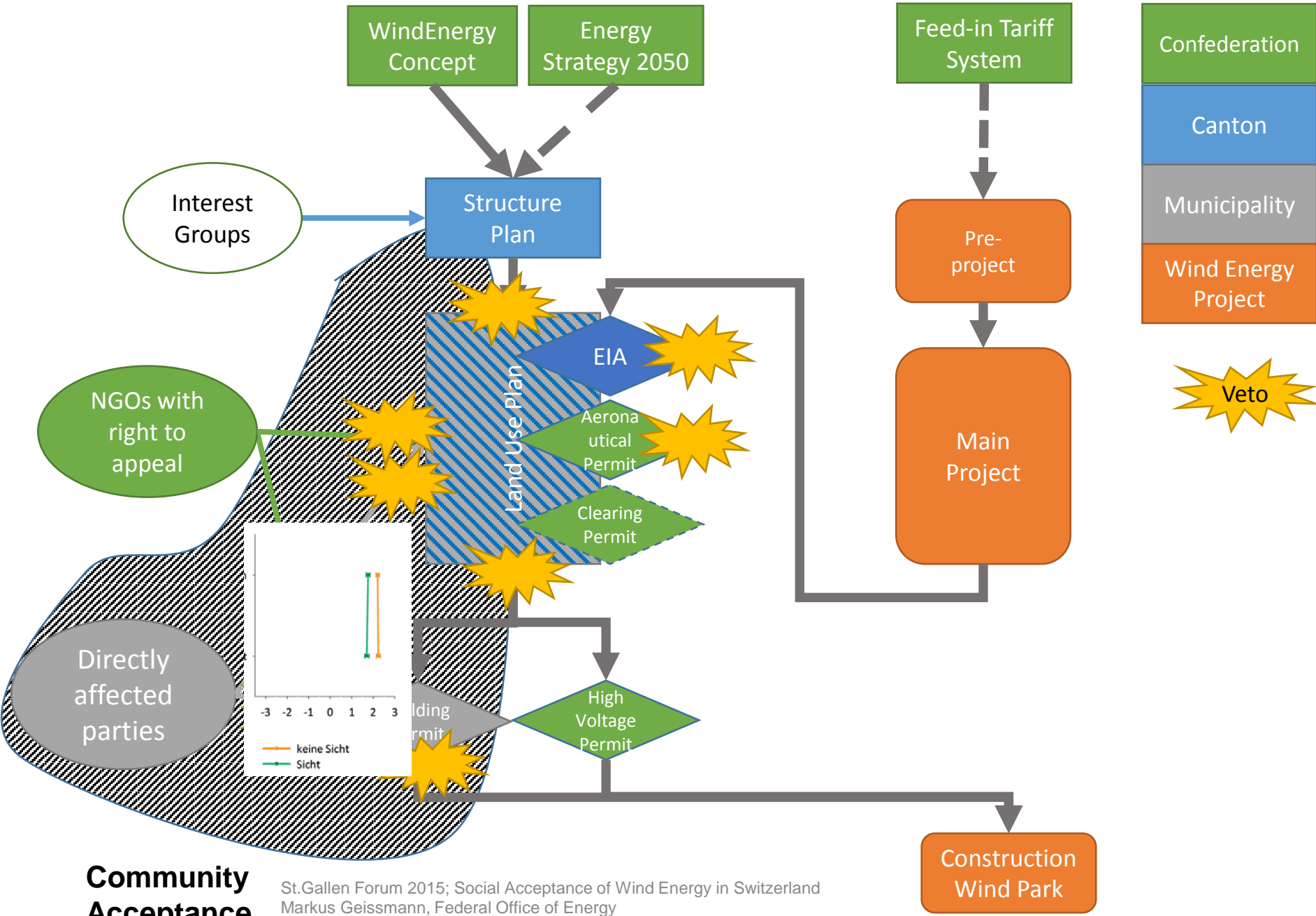
### Global attitude of residents of wind parks in Switzerland

Wind energy in general

Local wind farm



Hübner, Löffler, Hampl, Wüstenhagen, 2013



**Community Acceptance**

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 Markus Geissmann, Federal Office of Energy

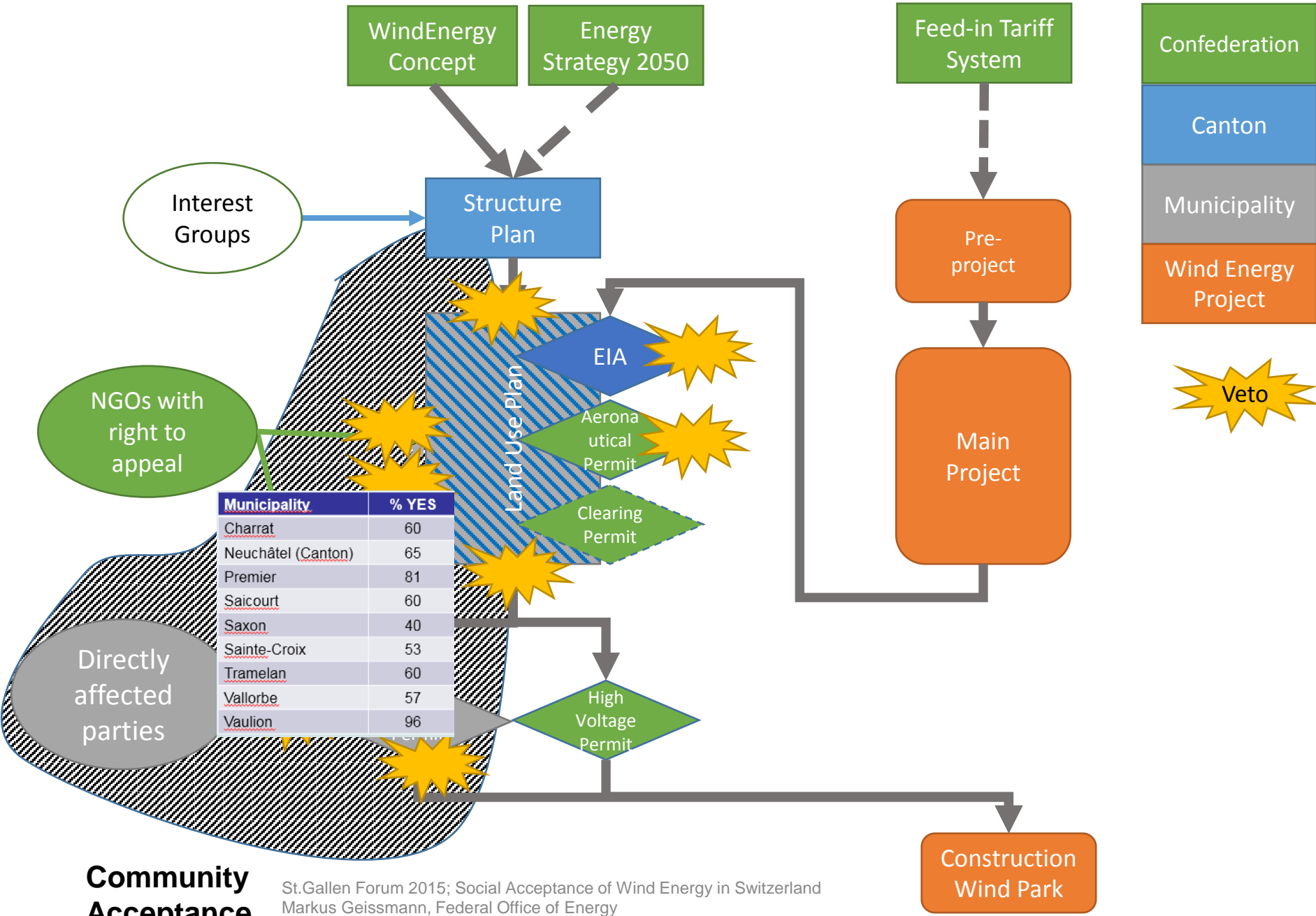


# Social Acceptance of Wind Energy in Switzerland

## Public votation results

### Results of recent public votations on wind energy projects

Municipality	% YES	# population	
Charrat	60	1'550	Land use plan
Neuchâtel (Canton)	65	176'000	Structure plan
Premier	81	190	Land use plan
Saicourt	60	610	Land use plan
Saxon	40	5'000	Land use plan
Sainte-Croix	53	4'760	Consultative votation
Tramelan	60	4'420	Land use plan
Vallorbe	57	3'610	Land use plan
Vaulion	96	460	Land use plan



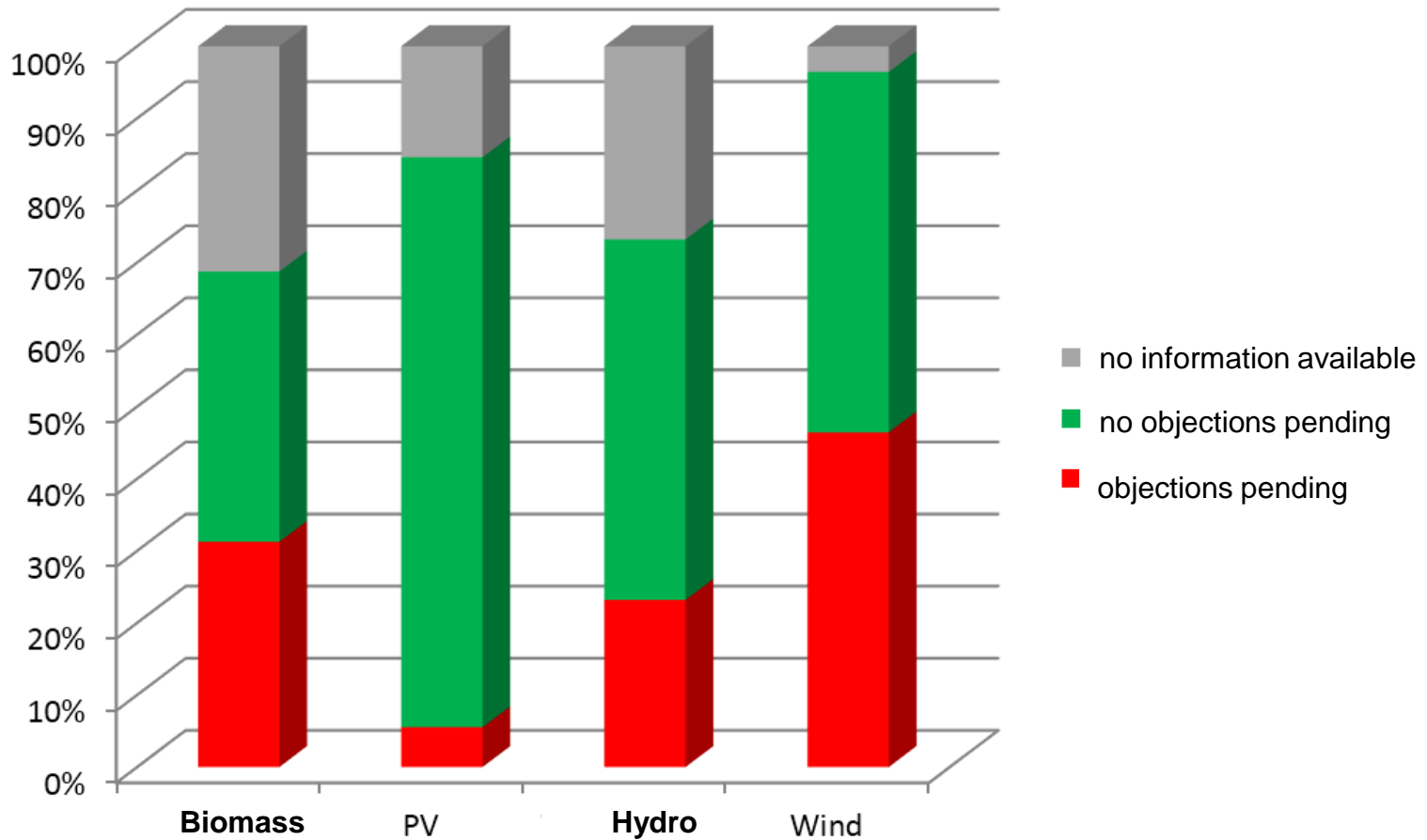
**Community Acceptance**

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# Social Acceptance of Wind Energy in Switzerland

## Survey among developers 2013



# Socio-political Acceptance

WindEnergy Concept      Energy Strategy 2050

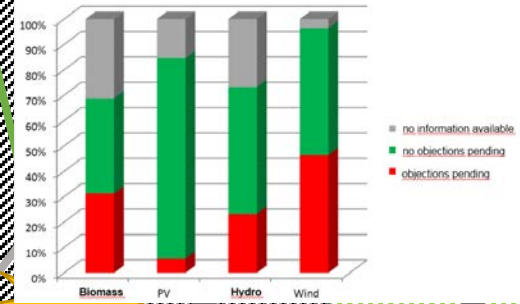
Interest Groups

Structure Plan

NGOs with right to appeal

EIA

Directly affected parties



Building Permit

High Voltage Permit

Feed-in Tariff System

Confederation  
Canton  
Municipality  
Wind Energy Project

Pre-project

Main Project

Veto

# Community Acceptance

Construction Wind Park

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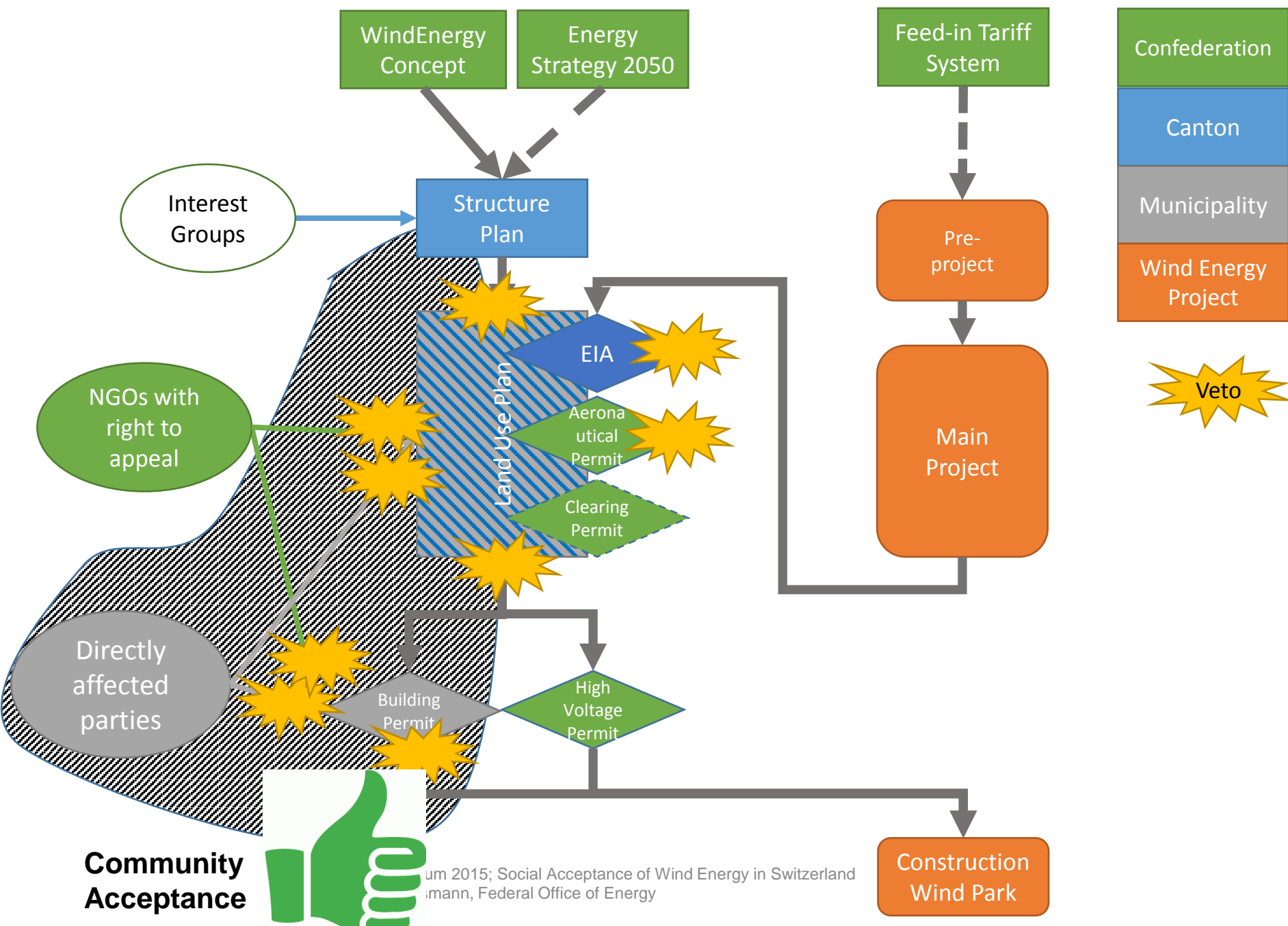




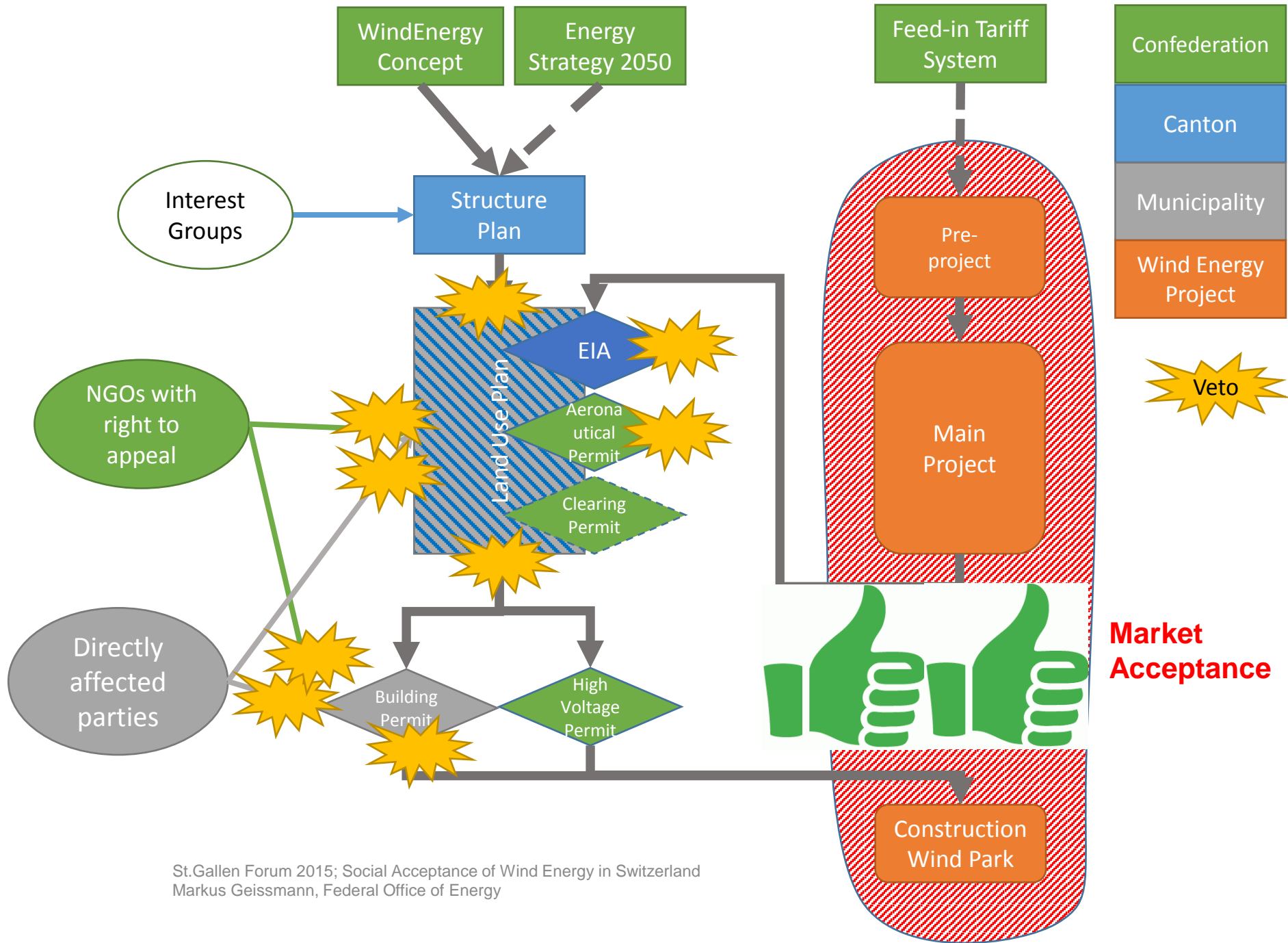
# Social Acceptance of Wind Energy in Switzerland

## Possible sources of data

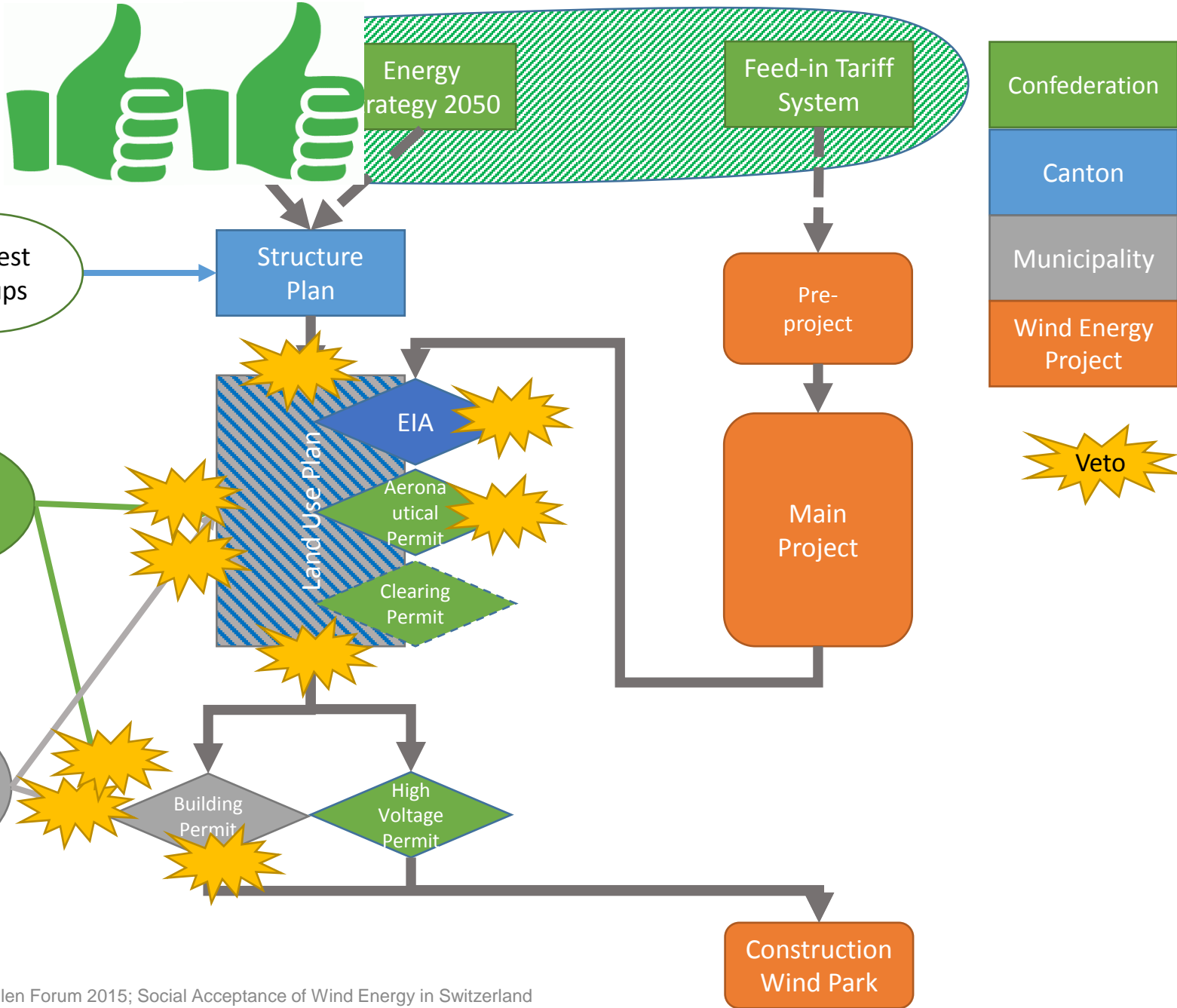
- Statistical data (power installed, FIT-system)
- Surveys (residents, general public, investors/developers, authorities)
- Votations (strategies, structure plans, land use plans)
- Analysis of media coverage
- Court cases (number, decisions)
- Project realisation / abandonment rate
- Project realisation time
- ...



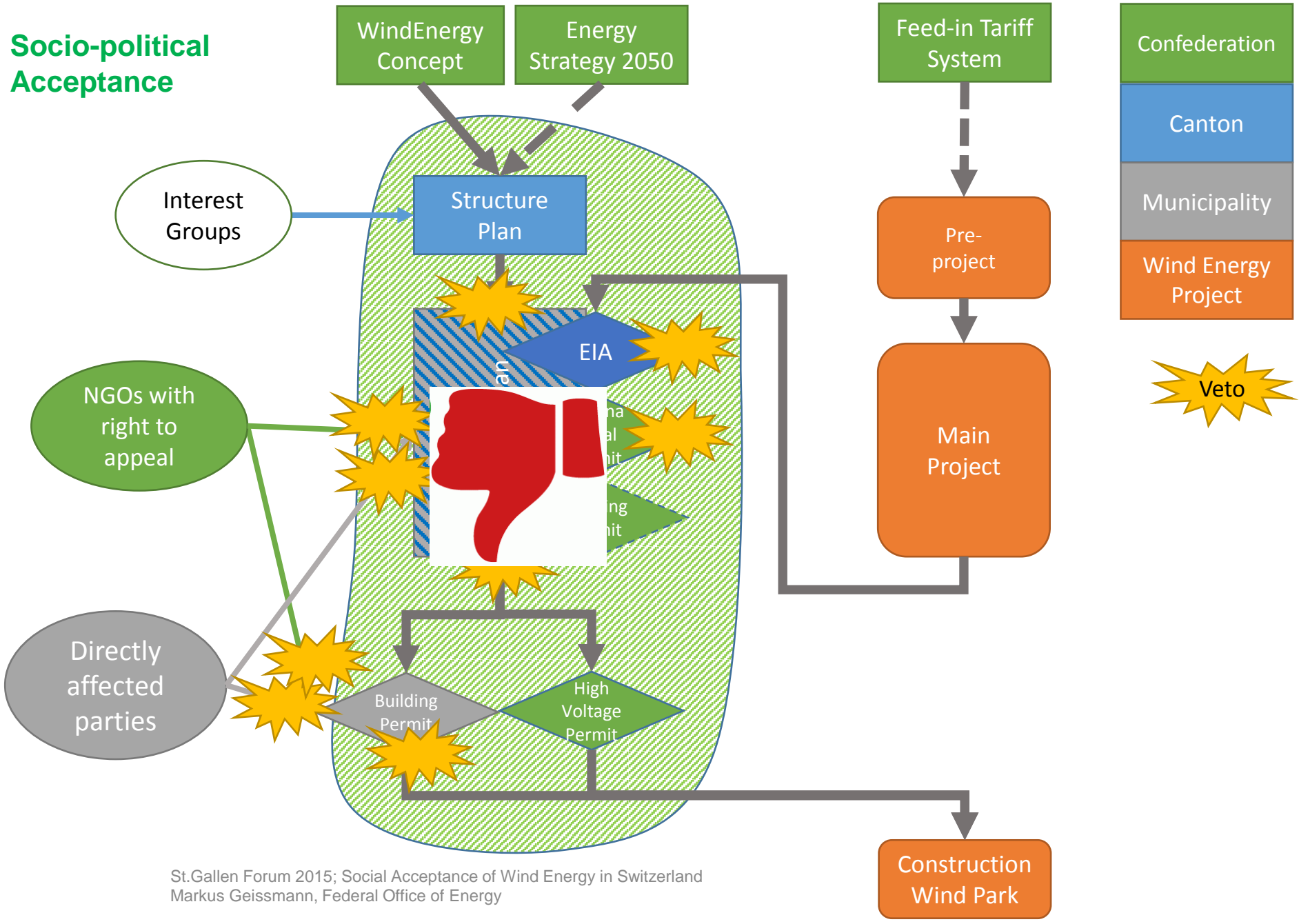
Source: Balmann et al. 2015; Social Acceptance of Wind Energy in Switzerland  
 Balmann, Federal Office of Energy



# Socio-political Acceptance



# Socio-political Acceptance



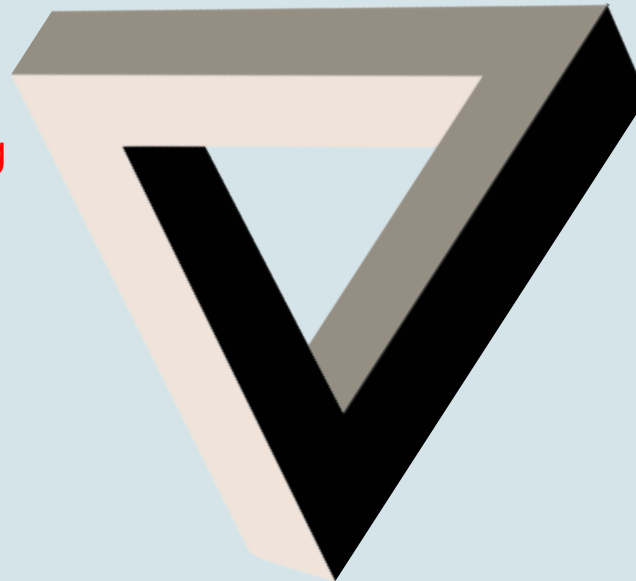
St.Gallen Forum 2015; Social Acceptance of Wind Energy in Switzerland  
 Markus Geissmann, Federal Office of Energy



# Social Acceptance of Wind Energy in Switzerland conclusions

## Socio-political acceptance

- of technologies and policies
- by the public
- by key stakeholders
- by policy makers
- **planning and permitting**
- **veto points**



## Market acceptance

- Consumers
- Investors
- Intra-firm



## Community acceptance

- procedural justice
- distributional justice
- trust





# Thank you for your attention!

Markus Geissmann

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