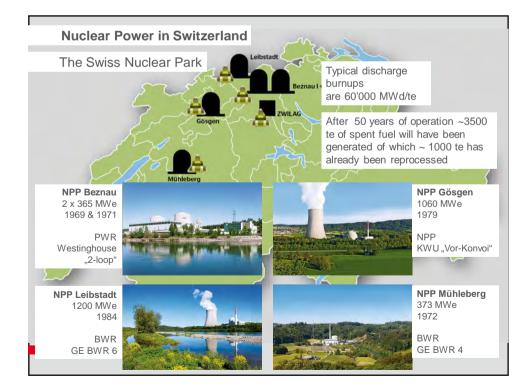
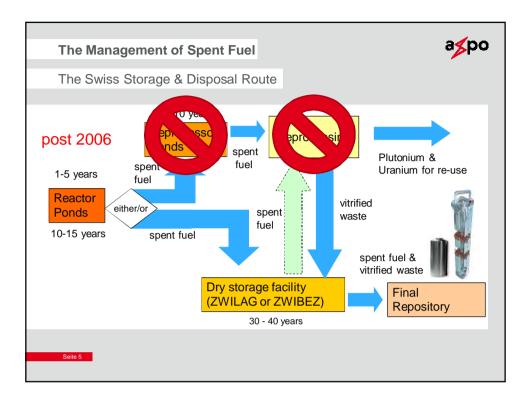


Nuclear Pow	er in Switzerland (CH)	
A Brief Chrono	ology	
1955:	UNO Conference in Geneva "Atoms for Peace"	
1955:	US Swimming Pool Reactor "SAPHIR" purchased by CH	
1957:	SAPHIR begins operation	
1961:	First Criticality of the DIORIT Heavy Water Reactor in CH	
1968:	First Criticality of the Lucens Underground Reactor	
1969:	First Criticality of the Beznau 1 Reactor	
1989:	Cancelling of the Kaiseraugst NPP	
2000:	Commissioning of the ZWILAG Interim Storage Facility	
2008:	Commisioning of the ZWIBEZ Interim Storage Facility	
2011:	Fukishima followed by Government phase out decision	
Seite 3		

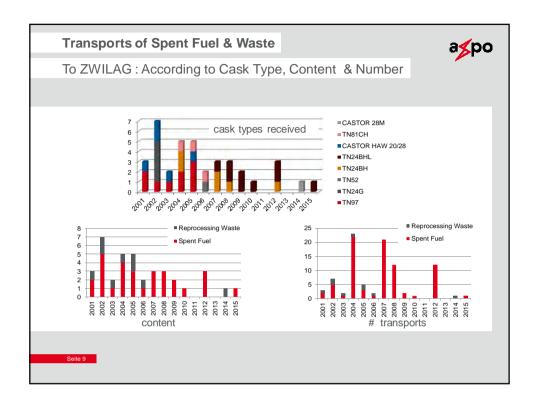






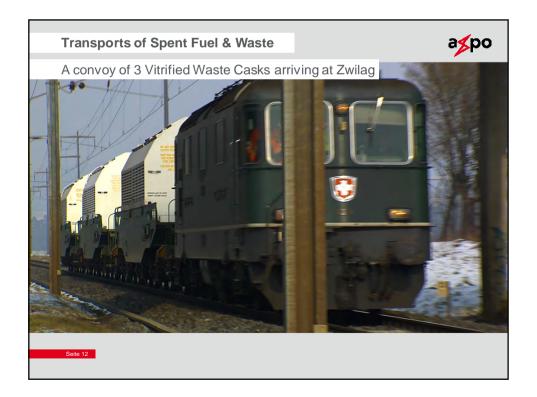




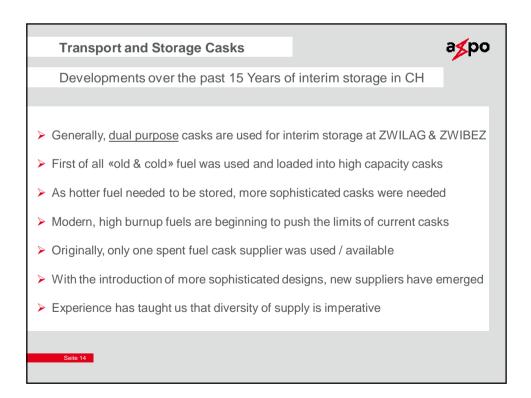






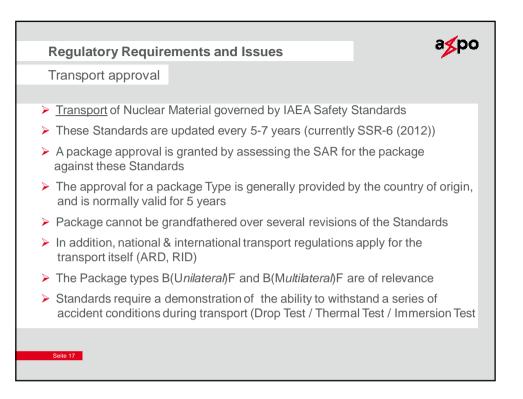






Transport and 6	Storogo	Caska	a x po
Transport and S	storage		
Casks in Use / ir	Licens	sing Proce	SS
Cask Type	Туре	Capacity	Status
TN97L	BWR	97	licensed, stored but no longer in active use
TN52L	BWR	52	licensed, stored but no longer in active use
TN24BHL / BH	BWR	69	licensed, currently in use
TN NOVA	BWR	69	in licensing process
HISTAR 180L	BWR	69	potential candidate
CASTOR V/52	BWR	52	potential candidate
TN24G	PWR	37	licensed, stored but no longer in active use
TN24GB	PWR	37	licensed, currently in use
HISTAR 180	PWR	37	in licensing process
CASTOR V/19	PWR	19	in licensing process
CASTOR HAW 20/28	HAW	28/20	licensed, stored but no longer in active use
CASTOR 28M	HAW	28/20	licensed, currently in use
TN81	HAW	28/20	licensed, currently in use





Regulatory Requirements and Issues	I					
Storage approval						
Storage Approval is provided by the country in which the Package will be stored on the basis of the T(opical) SAR						
 In Switzerland, this is governed by guidelines (G05, G04), which impose their own criteria on the package Resistance to static and dynamic loads : including aircraft impact Requirements for the lid system : double lid Requirements for the leaktightness : continual surveillance Criticality requirements : by flooding Material ageing : over the asumed storage period Requirements on pressure barriers : all welds can be tested Resistance to effects of earthquake : casks should not topple Dose rates : surface < 0.5mSv/h average Temperature of the contents : temperature limits to preclude degradation Temperature of the cask surface . 120°C Removability of fuel .during the storage period 						
Seite 18						

