

ASF in wild boar in the Czech Republic - what we learned and what we missed

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Czech hunting association

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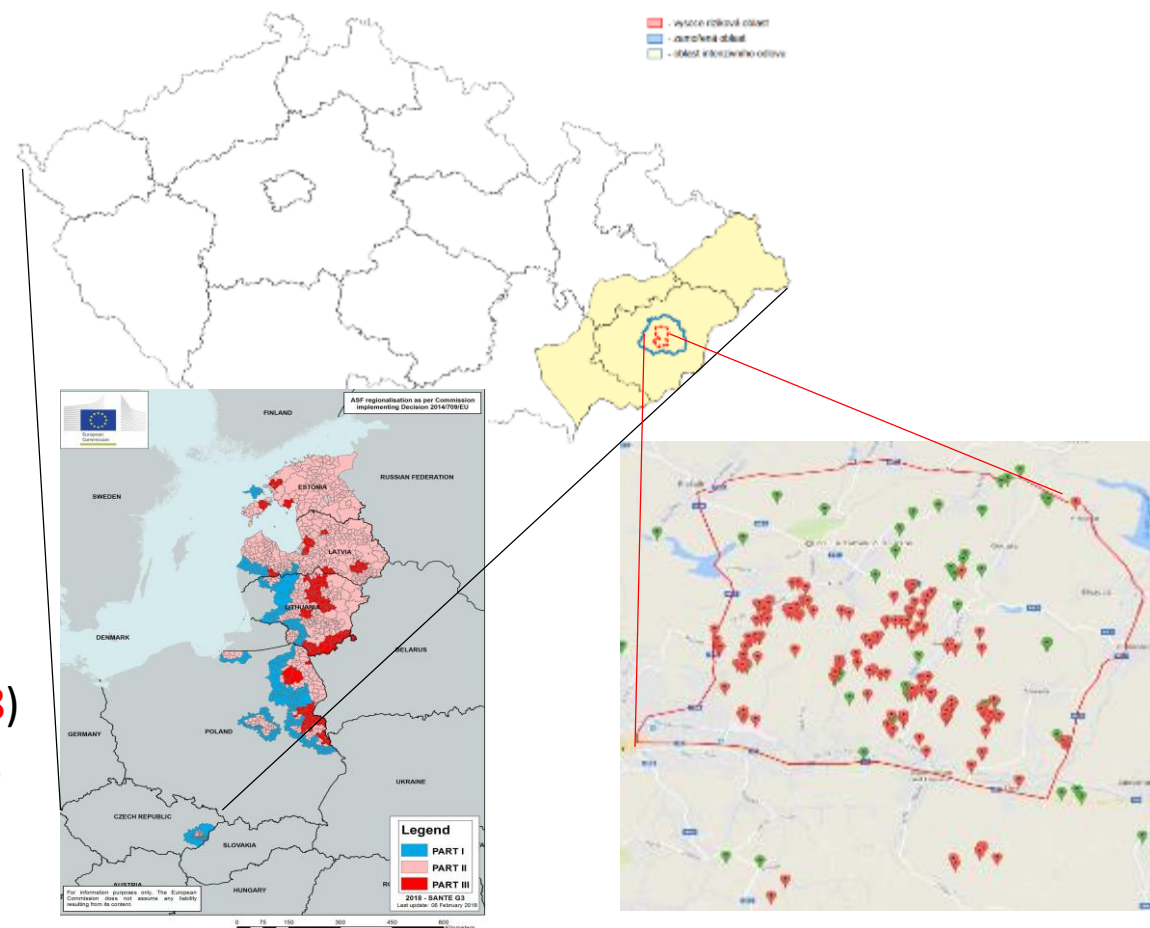


First case: 26. 6. 2017



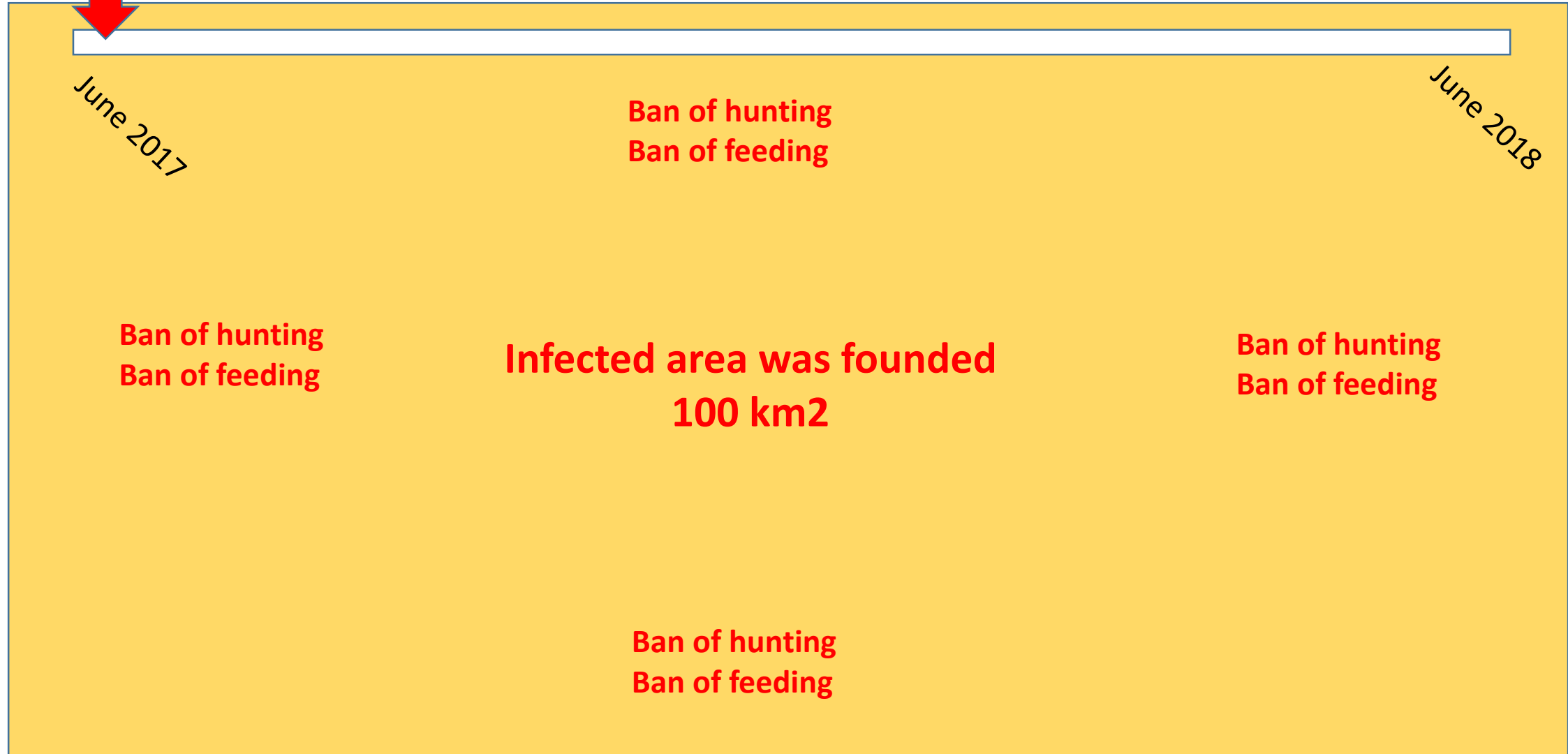
Last case: 15. 4. 2018

- ASF positive found in dead wild boar: **212** (last one **15. 4. 2018**)
- ASF positive cases in hunted wild boar: **18** (last one **8. 2. 2018**)



NO OUTBREAK IN DOMESTIC PIGS

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June 2017

Ban of hunting
Ban of feeding

June 2018

Ban of hunting
Ban of feeding

Infected area was founded
100 km2

Ban of hunting
Ban of feeding

Ban of hunting
Ban of feeding

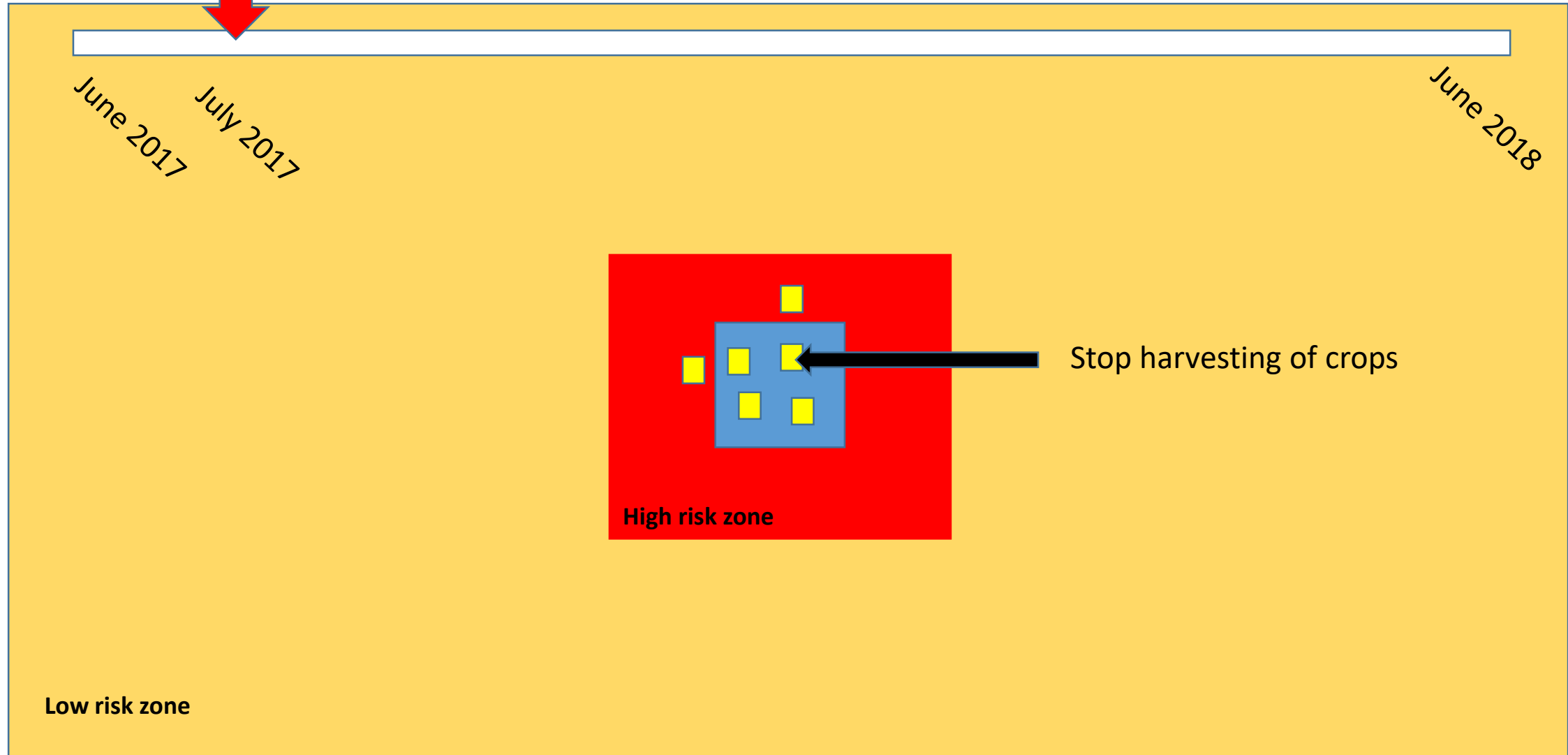
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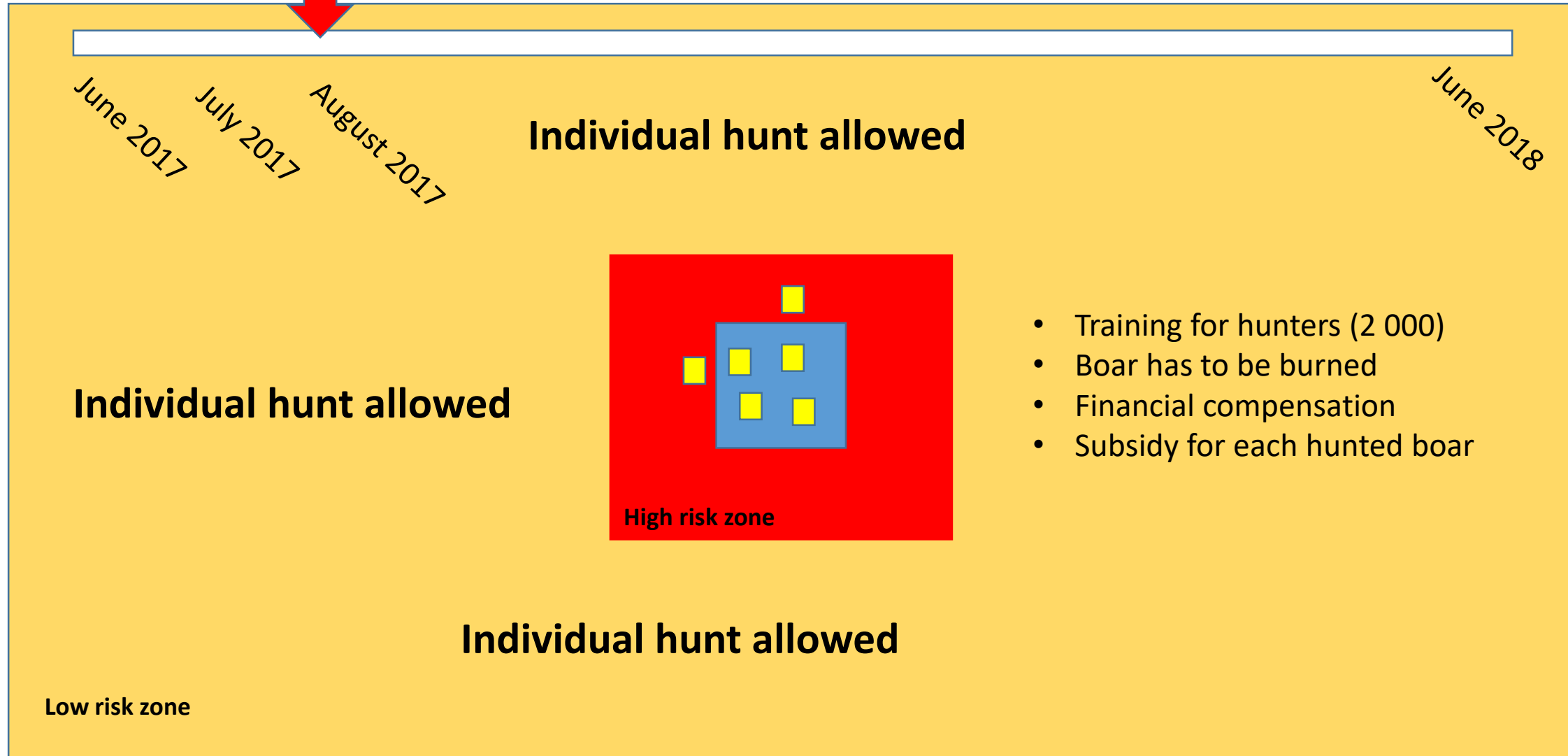
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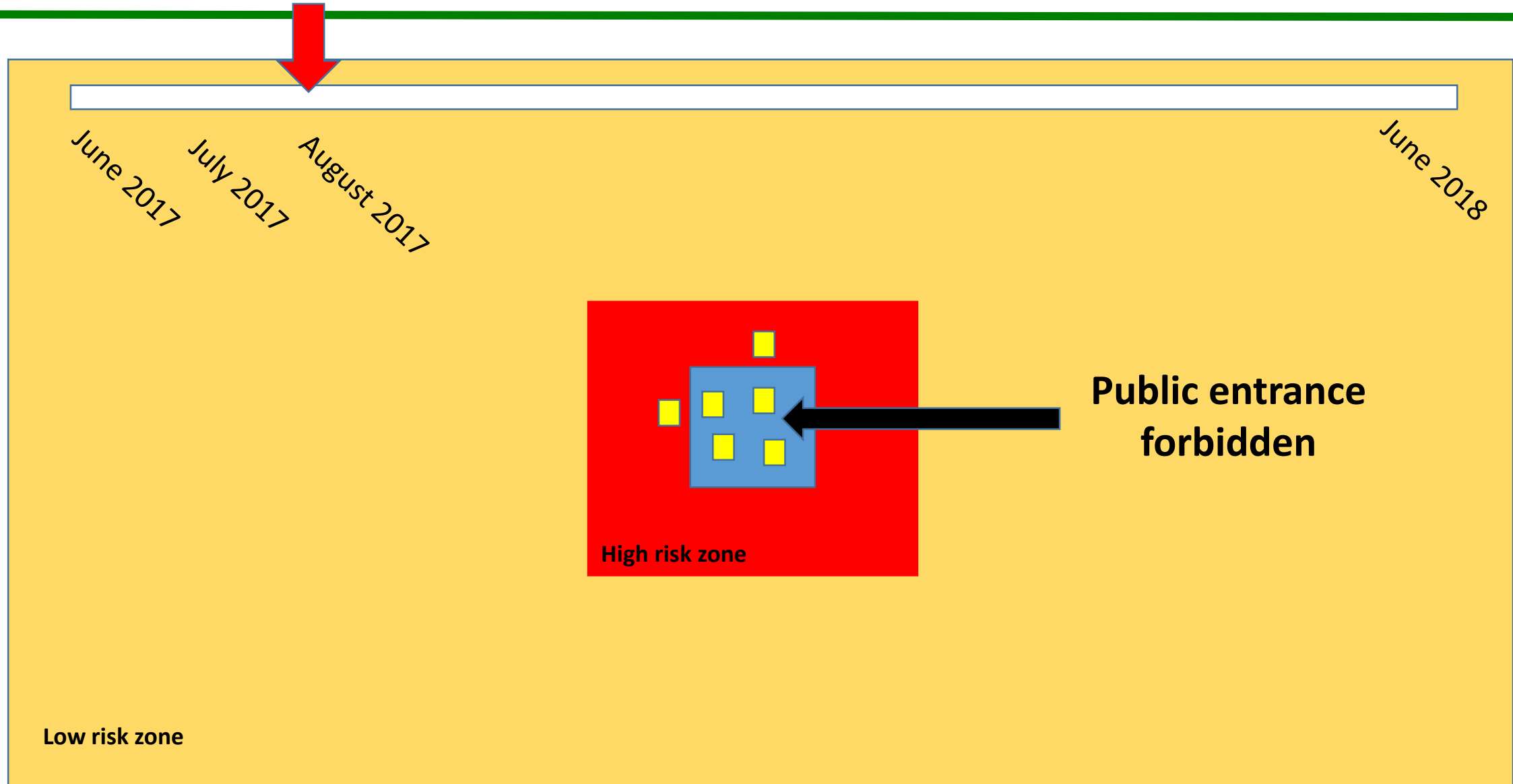
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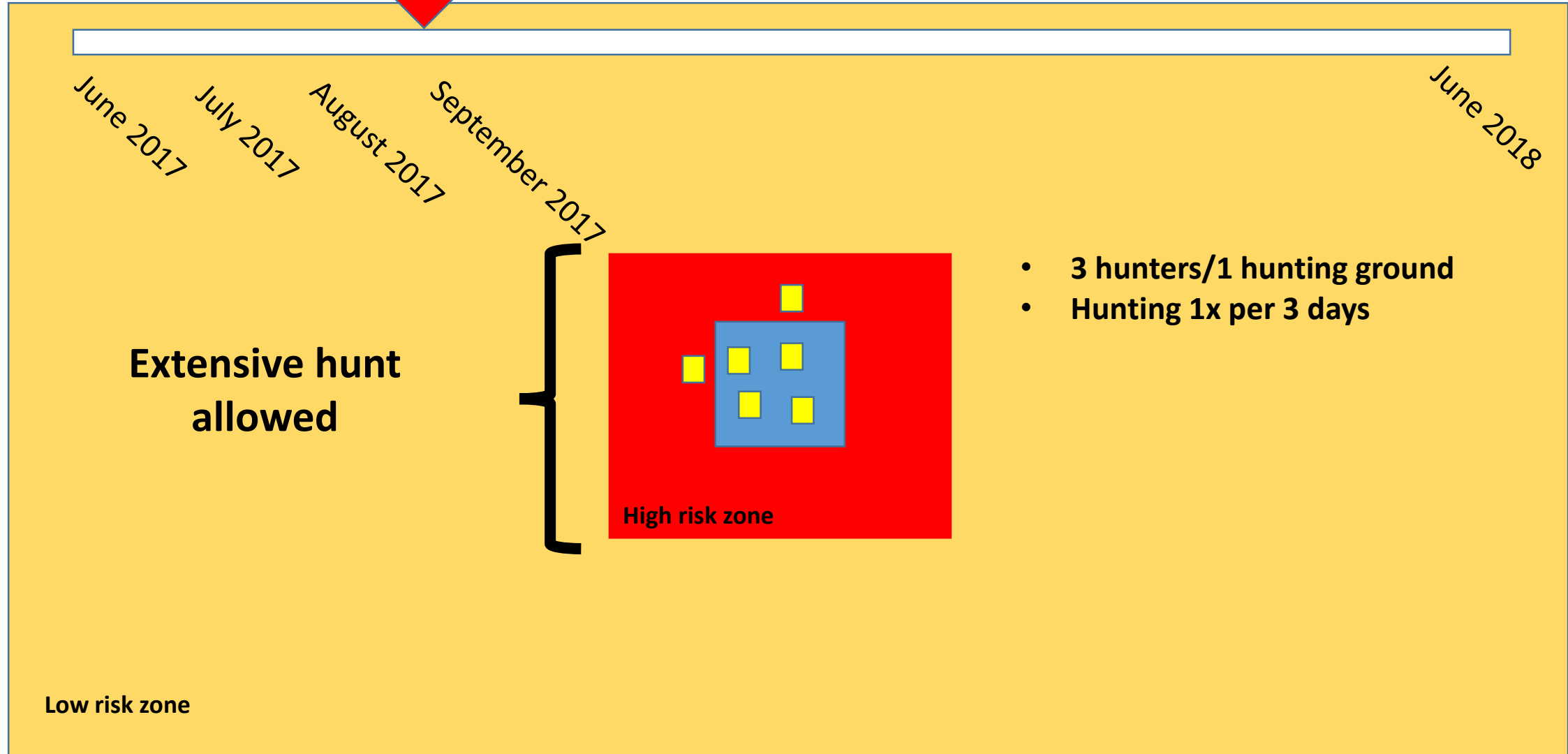
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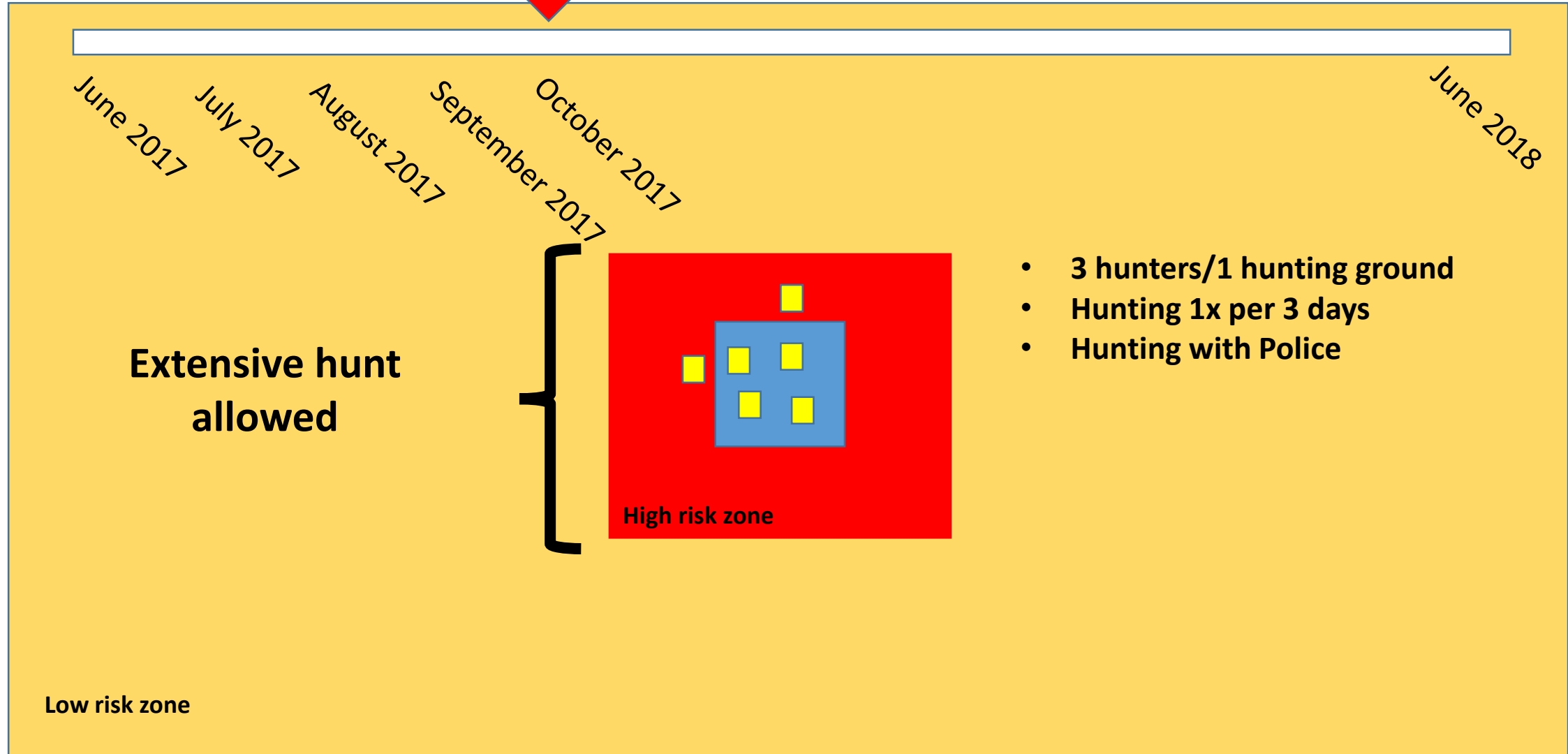
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Who did plan (or command) the measures?	Level	Veterinary services	State administration	Scientific community	Hunters	Financial compensation
	<i>National</i>	✓	✓	✓	✓	
	<i>Local</i>	✓	✓	✓	✓	
Who did realized...						
Searching of carcasses	<i>National</i>					
	<i>Local</i>	✓			✓	
Trapping	<i>National</i>					
	<i>Local</i>				✓	
Installation of odour fence	<i>National</i>					
	<i>Local</i>				✓	
Installation of electric fence	<i>National</i>					
	<i>Local</i>		✓		✓	
	<i>National</i>					
	<i>Local</i>					
	<i>National</i>					
	<i>Local</i>					
	<i>National</i>					
	<i>Local</i>					
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	<i>Local</i>					

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Who did realized...							
	Searching of carcasses	<i>National</i>					
		<i>Local</i>	✓			✓	
	Trapping	<i>National</i>					
		<i>Local</i>				✓	
	Installation of odour fence	<i>National</i>					
		<i>Local</i>				✓	
	Installation of electric fence	<i>National</i>					
		<i>Local</i>		✓		✓	
	Intensive hunt (Outside infected area)	<i>National</i>					
		<i>Local</i>				✓	
	Extensive hunt (Infected area)	<i>National</i>					
		<i>Local</i>				✓	

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Who did plan (or command) the measures?		Level	Veterinary services	State administration	Scientific community	Hunters	Financial compensation
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		<i>Local</i>	✓	✓	✓	✓	
Who did realized...							
	Searching of carcasses	<i>National</i>					
		<i>Local</i>	✓			✓	
	Trapping	<i>National</i>					
		<i>Local</i>				✓	
	Installation of odour fence	<i>National</i>					
		<i>Local</i>				✓	
	Installation of electric fence	<i>National</i>					
		<i>Local</i>		✓		✓	
	Intensive hunt (Outside infected area)	<i>National</i>					
		<i>Local</i>				✓	
	Extensive hunt (Infected area)	<i>National</i>					
		<i>Local</i>				✓	
	Intensive hunt with Policeman's	<i>National</i>	✓	✓			
		<i>Local</i>	✓	✓		✓	

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Who did plan (or command) the measures?	Level	Veterinary services	State administration	Scientific community	Hunters	Financial compensation	
	<i>National</i>	✓	✓	✓	✓		
	<i>Local</i>	✓	✓	✓	✓		
Who did realized...							
	Searching of carcasses	<i>National</i>					
		<i>Local</i>	✓			✓	
	Trapping	<i>National</i>					
		<i>Local</i>				✓	
	Installation of odour fence	<i>National</i>					
		<i>Local</i>				✓	
	Installation of electric fence	<i>National</i>					
		<i>Local</i>		✓		✓	
	Intensive hunt (Outside infected area)	<i>National</i>					
		<i>Local</i>				✓	
	Extensive hunt (Infected area)	<i>National</i>					
		<i>Local</i>				✓	
	Intensive hunt with Policeman's	<i>National</i>	✓	✓			
		<i>Local</i>	✓	✓		✓	
	Removal of hunted boar	<i>National</i>					
		<i>Local</i>	✓			✓	

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Who did plan (or command) the measures?		Level	Veterinary services	State administration	Scientific community	Hunters	Financial compensation
		<i>National</i>	✓	✓	✓	✓	✓
<i>Local</i>	✓	✓	✓	✓	✓		
Who did realized...							
	Searching of carcasses	<i>National</i>					✓
		<i>Local</i>	✓			✓	
	Trapping	<i>National</i>					✓
		<i>Local</i>				✓	
	Installation of odour fence	<i>National</i>					✓
		<i>Local</i>				✓	
	Installation of electric fence	<i>National</i>					✓
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	Intensive hunt (Outside infected area)	<i>National</i>					✓
		<i>Local</i>				✓	
	Extensive hunt (Infected area)	<i>National</i>					✓
		<i>Local</i>				✓	
	Intensive hunt with Policeman's	<i>National</i>	✓	✓			✓
		<i>Local</i>	✓	✓		✓	
	Removal of hunted boar	<i>National</i>					✓
		<i>Local</i>	✓			✓	

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Who did plan (or command) the measures?	Level	Veterinary services	State administration	Scientific community	Hunters	Financial compensation	
Who did really	Who was the key?						✓
							✓
							✓
							✓
		<i>Local</i>				✓	
	Installation of electric fence	<i>National</i>					✓
		<i>Local</i>		✓		✓	
	Intensive hunt (Outside infected area)	<i>National</i>					✓
		<i>Local</i>				✓	
	Extensive hunt (Infected area)	<i>National</i>					✓
		<i>Local</i>				✓	
	Intensive hunt with Policeman's	<i>National</i>	✓	✓			✓
		<i>Local</i>	✓	✓		✓	
	Removal of hunted boar	<i>National</i>					✓
<i>Local</i>		✓			✓		



Who was the key?

**The key was collaboration
during the whole process**



P.S.:

Collaboration example

Project: Behavioral reaction of free-living wild boar on measures realized against spreading of African swine fever virus

Collaborators: Czech university of life sciences Prague
Ministry of agriculture
Veterinary administrative
Czech hunting association

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Project: Behavioral reaction of free-living wild boar on measures realized against spreading of African swine fever virus

Aims:

- 1. system and method of wild boar reduction in order to minimize spatial activity of local wild boar population**
- 2. A system of artificially raising food supply with the aim of minimizing spatial activity**
- 3. System and implementation of temporary measures to prevent outbreak migration (electric fence, odor fences, sound traps)**
- 4. To establish and validate a functional model of active intervention in wild boars in order to limit the spread of AMP infection naturally.**

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Project: Behavioral reaction of free-living wild boar on measures realized against spreading of African swine fever virus

Methods:

Standard GPS telemetry connected with new logging technology

Behavioral classifier

Evaluation of movement between 2 GPS locations

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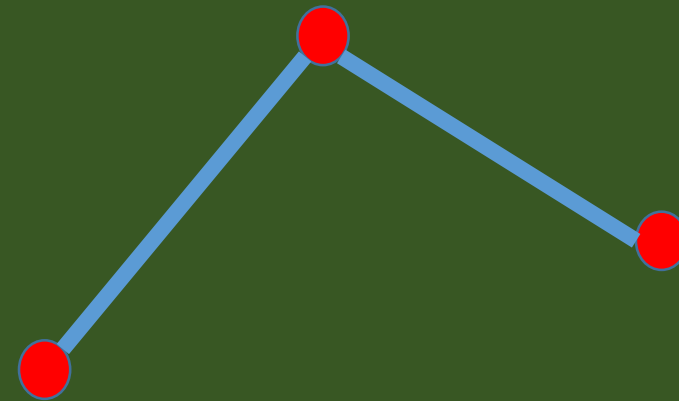
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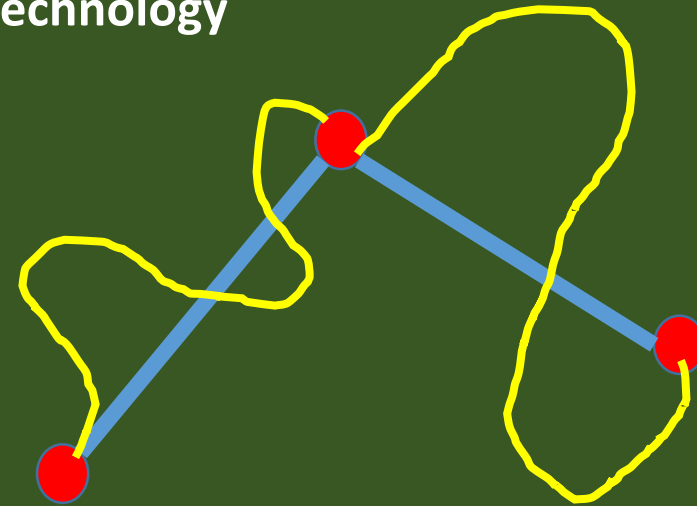
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Thank you for your attention!

