



Food and Agriculture Organization  
of the United Nations

# Lumpy skin disease symposium

## How science can support evidence-based disease management and control

Hybrid: Virtual and in HQ Rome

14–16 March 2023

### Agenda




## DRAFT AGENDA

DAY 1 Current status and advances in epidemiological knowledge on LSD		
Time	Topics	Speakers
09:00 - 09:30	<b>Welcome speech</b>	CVO <i>Moderator: Dr Andriy Rozstalnyy</i>
<b>Session 1: Latest on LSD</b>		<i>Moderator: Dr Tsviatko Alexandrov</i>
09:30 - 09:45	“Thinking out of the Pox” - lessons and thoughts on LSD management and control.	<i>Dr Nadav Galon (Nature Growth Incubator LP, Israel)</i>
09:45 - 10:00	Recombinant LSDV strains: impact on the transmission, control and eradication of LSDV?	<i>Dr Kris de Clercq Dr Nick de Regge (Sciensano, Belgium)</i>
10:00 - 10:30	Q&A	
10:30 - 10:50	Tea/Coffee break Group photo	
<b>Session 2: Epidemiology and transmission of LSD</b>		<i>Moderator: Dr Gian Mario Cosseddu</i>
10:50 - 11:05	Transmission dynamics of LSD, including the most recent findings (direct contact, subclinical and oral transmission).	<i>Dr Eyal Klement (Koret Veterinary School, Germany)</i>
11:05 - 11:20	The role of <i>Stomoxys calcitrans</i> flies in LSDV transmission from clinical and subclinical infected cattle.	<i>Dr Andy Haegeman (Sciensano, Belgium)</i>
11:20 - 11:35	Systematic review and expert ranking of potential risk factors for LSD.	<i>Dr Hannes Bergmann (FLI, Germany)</i>
11:35 - 12:00	Q&A	
12:00 - 14:00	Lunch Break	
		<i>Moderator: Dr Tsviatko Alexandrov</i>
14:00 - 15:30	Working groups are divided according to geographical regions. Describe current control and eradication measures against LSD and suggestion for improvements. Format: Introduction, 10 min; group work 60 min, plenary, and conclusion 20 min.	
End Day 1		

DAY 2      Combatting LSD in different farming scenarios		
Time	Topics	Speakers
<b>Session 1: Management, risk monitoring and surveillance</b>		<i>Moderator: Dr Fabrizio Rosso</i>
09:00 - 09:15	Update on the global distribution of LSD and control challenges.	<i>Dr Eeva Tuppurainen (FLI, Germany)</i>
09:15-09:30	Monitoring risks connected to cattle movements (understand and predict mass movements' trends, cattle trade and markets, stray animals and smuggling, transportation with vehicles).	<i>Dr Ross Ainsworth (Australasian Livestock, Australia)</i>
09:30 - 09:45	Cattle farming in Kenya, Africa - livestock health challenges, wildlife interface and drought. Linking research to policy.	<i>Dr Ilona Gluecks (ILRI, Kenya)</i>
09:45 - 10:00	Experience on combatting lumpy skin disease in Albania.	<i>Dr Ledi Pite (IZSTO, Italy)</i>
10:00 - 10:15	Q&A	
10:15 - 10:30	Tea/Coffee Break	
<b>Session 2: Challenges</b>		<i>Moderator: Dr Andriy Rozstalnyy</i>
10:30 - 10:45	Indonesian experience on simultaneous LSD and FMD outbreaks.	<i>Dr Nuryani Zainuddin (Director of Animal Health, Republic of Indonesia)</i>
10:45 - 11:00	Spread of LSD in Indian subcontinent, clinical manifestation in local cattle breed and buffalos, secondary infections and increased mortality.	<i>Dr Praveen Malik (Chief Executive Officer, Agrinnovate, Ministry of Agriculture and Farmers Welfare, India)</i>
11:00 - 11:15	Challenges of the investigation of suspected Outbreaks of Lumpy Skin Disease in Southern Punjab, Pakistan.	<i>Dr Zahida Fatima (Agricultural Research Council, Pakistan)</i>
11:15 - 11:30	Experiences in controlling LSD in wild cattle population during outbreak in Hong Kong SAR, China.	<i>Dr Jason Chan (AFCD, Hong Kong SAR, China)</i>
11:30 - 11:45	Phylogeny and transmission of recombinant vaccine-like strains.	<i>Dr Alexander Sprygin (ARRIAH, Russia)</i>
11:45 - 12:10	Q&A	
12:10 - 14:00	Lunch Break	
<i>Moderator: Dr Gian Mario Cosseddu</i>		
14:00 - 15:30	Working groups - Regionally harmonised measures and disease management during social unrest or environmental crisis situation.  Format: Introduction, 10 min; group work 60 min, plenary, and conclusions 20 min.	
End Day 2		

DAY 3 Vaccines, vaccination strategies, diagnostics		
Time	Topics	Speakers
<b>Session 1: Vaccines and vaccination strategies</b>		<i>Moderator: Dr Giovanni Cattoli</i>
09:00 - 09:15	Phylogenomic characterization of historic and recent lumpy skin disease virus isolates from South Africa, including the prototype strain Neethling.	<i>Dr Antoinette Van Schalkwyk (ARC-OVI, South Africa)</i>
09:15 - 09:30	Quality control and vaccine challenge experiments to ensure the safety and efficacy of the locally produced vaccines.	<i>Dr Nick De Regge (Sciensano, Belgium)</i>
09:30 - 09:45	Evaluation of the efficacy of live attenuated heterologous vaccines for the control of lumpy skin disease in cattle.	<i>Dr Wanens Philips (Sciensano, Belgium)</i>
09:45 - 10:00	Q&A	
10:00 - 10:15	Tea/Coffee Break	
<b>Session 2: Diagnostics</b>		<i>Moderator: Dr Artem Metlin</i>
10:15 - 10:30	Molecular epidemiological investigations of LSDV outbreaks and implications for the use of live attenuated LSDV vaccines.	<i>Dr Charles Lamien (Joint FAO/IAEA Centre - CJN, Austria)</i>
10:30 - 10:45	Development of a pen-side test for the detection of LSDV based on monoclonal antibodies.	<i>Dr Giulia Pezzoni (IZLER, Italy)</i>
10:45 - 11:00	Serological tools for the surveillance of LSDV and other capripoxviruses.	<i>Dr Charles Lamien (Joint FAO/IAEA Centre - CJN, Austria)</i>
11:00 - 11:15	LSDV diagnostic capabilities at Pirbright.	<i>Dr Carrie Batten (Pirbright Institute, UK)</i>
11:15 - 11:30	Lessons from ten years of experience building member states' capacities for diagnosing LSDV and other capripoxviruses.	<i>Dr Giovanni Cattoli (Joint FAO/IAEA Centre - CJN, Austria)</i>
11:30 - 11:45	Q&A	
		<i>Moderator: Dr Fabrizio Rosso</i>
11:45 - 12:30	Way forward - Final recommendations and conclusions.	
12:30 - 13:00	Closing	<i>NSA Director</i>
End Day 3		



The lumpy skin disease symposium is organized in collaboration with the European Commission for the Control of Foot-and-Mouth Disease (EuFMD) and the Emergency Prevention System for Animal Health (EMPRES-AH) of FAO.