

Sub-Group ANIMAL TRANSPORT

The EU Animal Welfare Platform:
promoting dialogue on animal
welfare issues relevant at EU level.



RESEARCH GAPS ON THE TOPIC OF ANIMAL WELFARE DURING TRANSPORT UNDER EXTREME TEMPERATURES

General topics

- **Biosecurity** measures for animal transport under extreme temperatures
Develop a set of preventive measures designed to reduce the risk of transmission of common pathogens in animal transport under extreme temperatures
- **Physiology and Behavior of Thermal Stressed Animals**
Identify and measure physiological and behavioral responses of farm animals to thermal stress during transport
- **Thermal Stress Risk Assessment**
Identify and analyze potential (future) risks that may negatively impact livestock welfare during transport under extreme temperatures
Evaluate suitability of current travelling and resting times when animals are transported in extreme temperatures
- **Nutritional needs and energy balance**
Identify and measure nutritional needs and energy balance of livestock during transport under extreme temperatures
- **Economic, Environmental and Societal effects**
Develop sustainable models to monitor animal welfare during transport under extreme temperatures;
Financial, environmental and societal effects of the existing network of slaughterhouses across Europe, especially in relation to rural development, and possible impact of encouraging short transports in order to limit the impact of extreme temperatures on live animals;
Financial, environmental and societal impact of the establishment of a maximum 8-hour limit for the transport of animals sent for slaughter, thus limiting the adverse effects of extreme temperatures

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- Transport facilities designs
Truck design and engineer to improve animal welfare during transport under extreme temperatures
- Risk reduction
Financial and welfare impact of transport of bulls' sperm/semens instead of cattle for breeding purposes
- Scientific evaluation of the frequency of long distance transports that are on the road when it is >30 degrees
- Scientific comparison of animal transports < 8 hrs and long distance transports in terms of infringements of legal animal welfare standards related to adverse weather conditions and extreme temperatures
- Animal welfare benefits in relation to extreme temperatures when long-distance journeys are replaced by maximum 8-hour journeys
- Survey of potential rise of acceptance of agricultural practices by society about a general 8 hrs limit when linked to the issue of extreme temperatures
- Transport using livestock vessels
- Transport by air

Species specific topics

- Transportation of research animals
- Prevention of dehydration of poultry
- Transport of rabbits, fur animals, fish
- Transport of companion animals
- Transport of wild and captive animals
- Transport of turkeys