

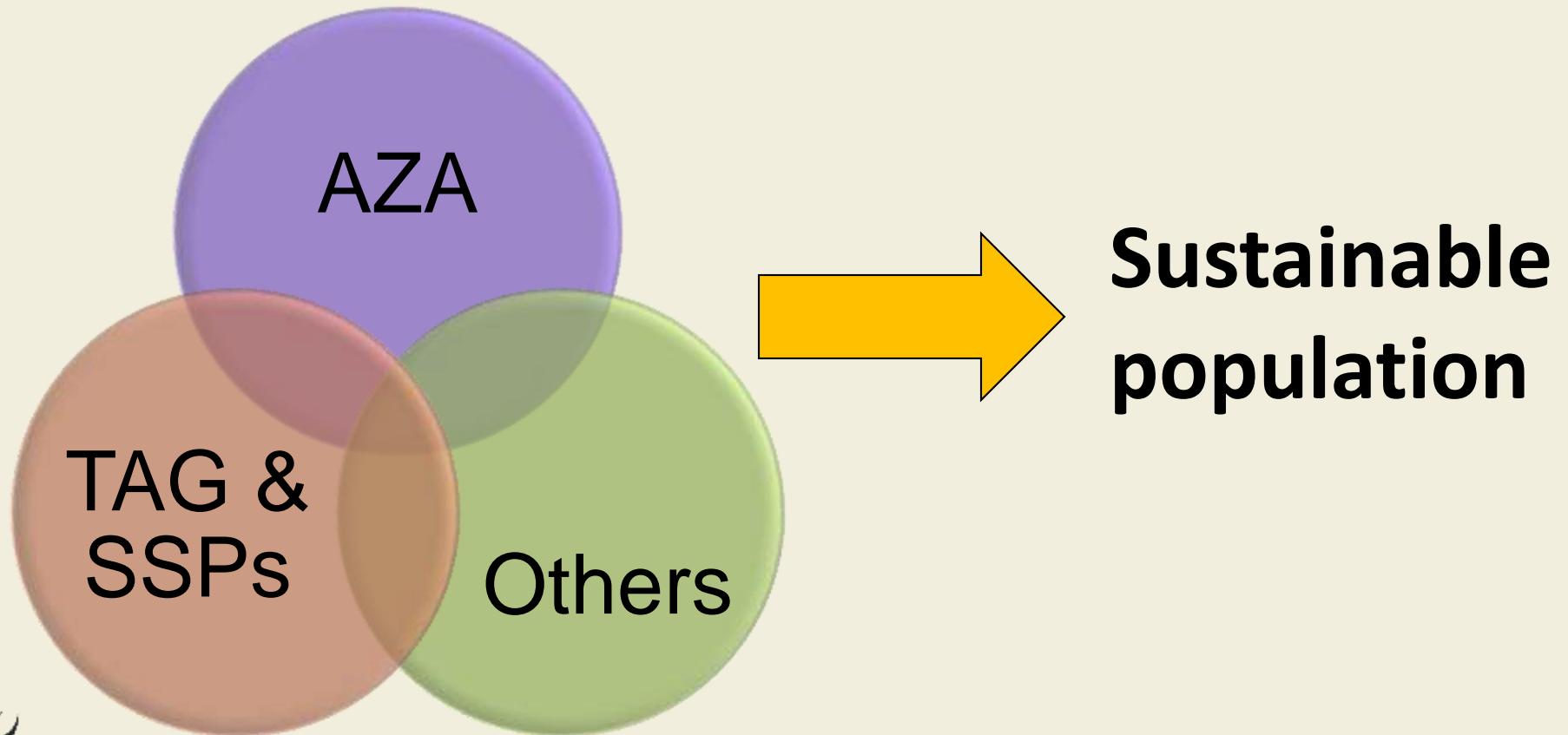
# Crane Sustainability Model



# Cultural Connection



# Partnerships





**C2S2**  
CONSERVATION  
CENTERS FOR  
SPECIES SURVIVAL

# CONSERVATION CENTERS FOR SPECIES SURVIVAL

25,000 acres

# Full members



# Why Cranes?

- High profile & charismatic species
- Conservation programs
- Longevity
- Sustainability challenged



# TAG – Two most challenging...



# Management within C2S2

- Crane facilities
- Experience
- Artificial insemination





# Capacity Building

- AI workshop May 2012
- Develop protocols
- Training – internal & external



# Research

- GnRH Hormonal therapy
- Oocyte membrane sperm detection
- Determine causes of infertility

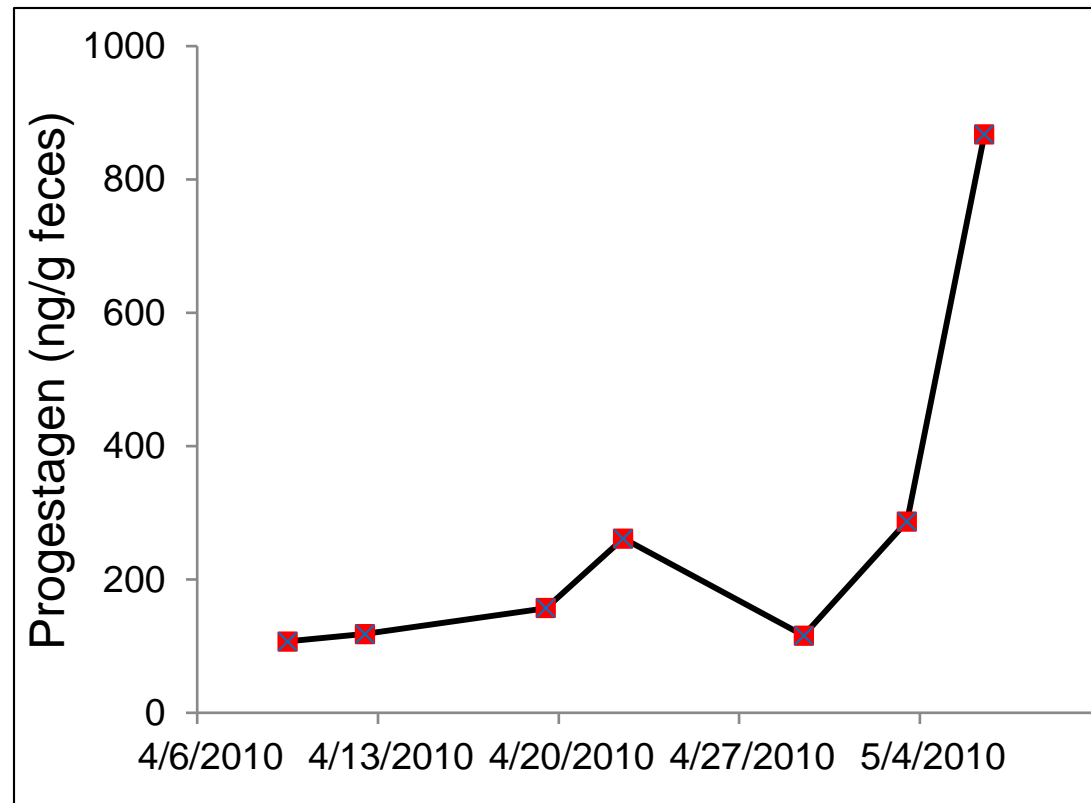


# Whooping Cranes



# Research

- Pataxent Wildlife Research Center & SCBI
- International Crane Foundation & SDZG
- Sperm Cryopreservation
- Mate choice - Hormone Analysis





- TAG / SSPs
- Stewardship





- RCP
- Review target populations
- Rebalance

# Wild Populations & Concerns

- Export concerns in Africa
- Provide birds & reduce need to extract from the wild



# Looking to the Future...

- Developing new models with TAG & SSPs
- Align resources
- Universal facility design – rotate species
- Training opportunities & develop protocols





# New Opportunities



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CONSERVATION  
CENTERS FOR  
SPECIES SURVIVAL



**ASSOCIATION  
OF ZOOS &  
AQUARIUMS**



ALLIANCE FOR SUSTAINABLE  
**WILDLIFE**<sup>™</sup>

FOUNDED BY AUDUBON NATURE INSTITUTE & SAN DIEGO ZOO GLOBAL

# AZA Connect – August 2013

- Innovative Approach to Sustainable Management for Cranes, The Role of Regional Breeding Centers





Karen Meeks



# “Back from the Brink”

- Micronesian Kingfisher
- California Condor
- Whooping Crane

