



#### Zoo Research & Development:

Working together to ensure optimal animal health and welfare at Cleveland Metroparks Zoo now and in the future

### Zoo Research & Development

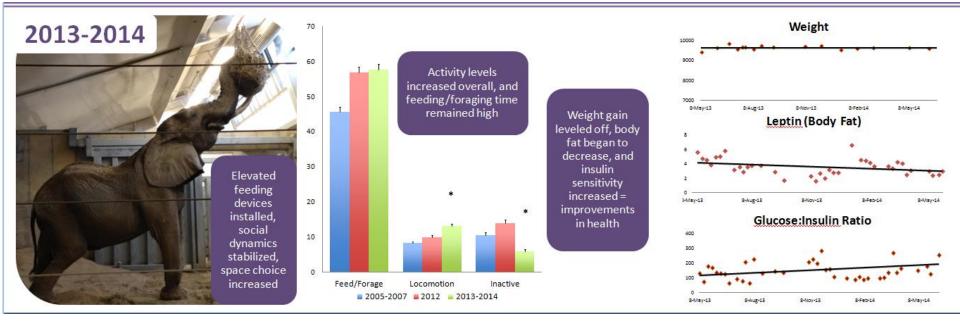
- What do we mean by R&D?
  - Research
    - Answering questions we might have about animal husbandry, health, & welfare and population sustainability
      - Hypothesis-driven research
      - Science-based management
  - Development
    - Creating innovative strategies for answering research questions and implementing findings
      - Teamwork

### Zoo Research & Development

- Why is this important?
  - The right thing to do
    - We need more information to ensure excellence in animal care
  - Immediate science-based results to inform animal management decisions
  - Setting new and higher standards for our industry
  - Science is a foundational pillar for the future of zoos
    - Cleveland Metroparks Zoo's knowledgeable and highly skilled staff are on the cutting edge of zoo science and science-based management...

# **Elephants**

#### Science-based Animal Management



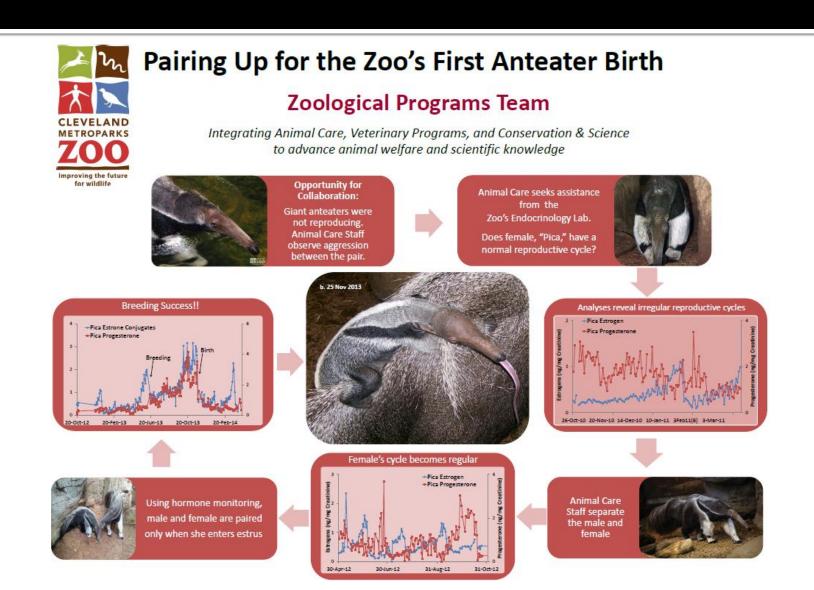
#### Science-based Animal Management

# Elephants



#### Science-based Animal Management

#### **Giant Anteater**



### Armadillos

- AZA Animal Welfare Committee
- AZA Conservation Education Committee
- AZA Research & Technology Committee

**Q**: Do animals used for education programs experience better or worse health and welfare than exhibit animals?

# Armadillos

 Cleveland Metroparks Zoo conducted the first pilot study to answer this question in one species, armadillos, at 17 zoos across North America



## Cheetahs



14 zoos participating73 cheetahs



#### The Cutting Edge

#### Gorillas





- Managing gorilla heart health with science and husbandry
- Click here for video:



 Using novel techniques to study social cohesion in bachelor gorilla groups

Click here for video:



### Zoo Research & Development

- Smart business now & for the future
  - Happy and healthy animals
    - Connect visitors to our mission
    - Ensure successful reproduction needed for sustainable populations
    - Increase visitor stay time, return visits by guests, and revenue opportunities



# Thank you

#### Questions?

