#### **New Zoo**

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#### 1. Introduction

This exercise was adapted from: Jonathan Osbome, Sibel Erduran, Shirley Simon, *Ideas, Evidence & Argument in Science* (IDEAS), King's College London, 2004, pp. 37-39, <a href="https://www.stem.org.uk/elibrary/collection/3308">https://www.stem.org.uk/elibrary/collection/3308</a>, <a href="https://www.stem.org.uk/resources/elibrary/resource/28125/ideas-resources">https://www.stem.org.uk/resources/elibrary/resource/28125/ideas-resources</a>

The aim of this exercise is to provide an opportunity to students to engage in argumentation about a socio-scientific issue - the funding of a new zoo - and provide justifications for their point of view by doing internet research to construct arguments, justified with evidence, either for or against the new zoo. Section 2 presents the inquiry and Section 3 presents the corresponding argumentation developed with the slnvestigator system.

sInvestigator may be downloaded from <a href="http://lac.gmu.edu/sInvestigator/">http://lac.gmu.edu/sInvestigator/</a> The knowledge base containing the argumentation may be downloaded from <a href="http://lac.gmu.edu/sInvestigator/CaseStudies.html">http://lac.gmu.edu/sInvestigator/CaseStudies.html</a>

## 2. Inquiry: Should we have a new Zoo?

To facilitate your Internet research and the development of your argumentation consider the following sets of questions.

Questions to stimulate agreement with zoos

- Are wild animals killed by hunters and poachers?
- Are animals in zoos well fed?
- Are animals in zoos safe from predators that want to kill them?
- Do zoos allow you to see a large number of different animals?
- Would animals have become extinct if it wasn't for zoos?
- Can you see wild animals on the television living in their natural homes?
- Do wild animals have to find their own food?
- Can zoos release animals back to the wild?
- Do zoos allow scientists to study rare animals?

## Questions to stimulate disagreement with zoos

- Do animals in the wild have lots of places to live in?
- Is it cruel to keep animals in cages?
- Can wild animals be protected in parks and nature reserves?
- Are wild animals afraid of human beings?
- Can animals be bored and lonely in zoos?
- Can animals breed in zoos?

# 3. Analysis





