

Group G WRITING: Species Management Camille Danel Cléo Bens

Write a report 'An Example of Species Invasion Management in Florida'.

Include information about the following points:

- The current situation & how it happened
- Details of the invasive species, and why it proliferates so successfully
- What could happen if no action was taken
- Community action - what is being done (by several groups)
- The scientific point of view of this collaboration & the possibility of its success

Lionfish are an invasive species coming from the Indian ocean and the Pacific ocean. People brought them to America by pouring their fish tanks into the ocean in Florida.

They are invasive species because they don't have natural predators in this environment, they eat everything (algae, other fish), they are also toxic (thorns with venom), they reduce the local populations.

They proliferate so successfully because the absence of predators and their reproduction is very fast.

If no action was taken, it could be there is a possibility of the eradication of the local populations such as fish or algae and the beginning of an ecological disaster. It would be the end of the biodiversity in Florida.

Some associations (REEF) call people to help the scientists to remove lionfish by the way of creating derbies for example example, with a prize at stake. Divers would prefer that Governments put money into tools and techniques despite researching techniques rather than research.

→ Some associations, like REEF, call on people to help scientists in removing lionfish through events such as derbies, with prizes at stake. However, divers would rather governments spend money on tools and techniques instead of just research.

For scientists there is no solution to eradicate the whole population of lionfish but we can use a gentle way to reduce lionfish like eating the fish which are not used for research.

Apparently, this new commercial way (cooking lionfish in a restaurant) is a really good idea because consumers' opinions are very positive.

Correction :

- Lionfish are an invasive species coming from the Indian ocean and the Pacific ocean. People brought them to America by pouring their fish tanks into the ocean in Florida.

- They are invasive species because they don't have natural predators in this environment, they eat everything (algae, other fish), they are also toxic (thorns with venom), they reduce the local populations.

They proliferate so successfully because the absence of predators and their reproduction is very fast.

- If no action was taken, it will be the eradication of the local populations such as fish or algae and the beginning of an ecological disaster. It would be the end of the biodiversity in Florida.

- Some associations, like REEF, call on people to help scientists in removing lionfish through events such as derbies, with prizes at stake. However, divers would rather governments spend money on tools and techniques instead of just research.
- For scientists there is no solution to eradicate the whole population of lionfish but we can use a gentle way to reduce lionfish like eating the fish which are not used for research. Apparently, this new commercial way (cooking lionfish in a restaurant) is a really good idea because consumers' opinions are very positive.