

Experts



Your situation

Your role is to suggest solutions and alternatives that will benefit both environmentally and socially.

You are responsible for facilitating the meeting and emphasizing the environmental and social consequences and benefits of any activity or plan mentioned by the other stakeholders.

You are part of a team of wetland scientists, economists and sociologists and should intervene and give your opinion about what other stakeholders are saying. You have no decision making authority but you have status because you have been sent by the Central government.

You are representing the experts and you act as independent consultants from the central government to assure that the area is being developed sustainably. Your role is different to the other stakeholders because you have no demands; you are taking part in the meeting so that you can give your technical knowledge during the presentations and the discussions.

Procedure

Phase A

1. In your group, study your role carefully, using your role-card. Then using your 'worksheet' discuss with the other members of your group your relationship with the other stakeholders/roles in the game.
2. You have the "environmental impact table" which details the impact of various activities that will be presented by the stakeholders. If they are not presented, it is your job to mention them as alternatives. Remember: You are the only stakeholder that has this impact table!
3. Take notes during the presentation of other stakeholders and the questions that are posed, this will help you later in the game.

Phase B

1. In your new group, you are the only representative of your role. You must discuss with the other stakeholders and provide your technical knowledge to assist them in trying to reach common decisions on how to manage the wetland.
2. When proposals are mentioned by the group, you are responsible for writing them down and counting the votes on each proposal. You can't vote but the other group members have one positive and one negative vote.
3. If you find two proposals that are conflicting (for example Land A has been leased to both the farmer and stockbreeder) you must encourage the stakeholders to discuss with each other and see if they can find a common solution. If they can't the meeting members must vote again. In this case each stakeholder will have three minutes to present the benefits of their proposal and convince the members to vote for them.
4. You must create a quick management plan which will present the decisions of your group. To create this management plan you must consider all the stakeholders.
5. Choose the person who will present your management plan to the rest of the class. All other groups will do the same.
6. After every group presents their management plan, you must discuss with the rest of the class and choose the one you prefer or choose parts of various management plans to create a new one.

Farmer



Your situation

At the moment you are cultivating beans and wheat on your plots. You want to expand plots into a piece of land and plant corn which is more water demanding. You are claiming from the Local Authorities Land A in order to expand your cultivation.

You have already put a fence around your land because the stockbreeders' animals were eating your crops.

You have had disputes with the stockbreeder because you are claiming from the Local Authorities the same part of land.

You have also had disputes with fisherman many times because the pesticides you are using ends up in the wetland, it pollutes it and increases eutrophication.

You have created small canals to direct some of the water to your farm from the river which feeds the wetland. This means that less water reaches the wetland.

You have a big interest in supporting the community of the Lesser Kestrel (*Falco naumanni*), a type of small falcon, which breeds on the wetland as they protect your crops from pests, which is their source of food. For this reason you want the Protected Areas enforced as some of the zones are where these birds breed.

Procedure

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- You must select a representative from your group that will present the case of your stakeholder in the management meeting.
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Phase B

- In your new group, you are the only representative of your role. You must discuss with the other stakeholders and try to reach common decisions on how to manage the wetland.
- You can also vote to help you make decisions, you have one vote either negative or positive to any proposition. The 'expert' in your group will mark the votes.
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Stockbreeder



Your situation

Your animals used to graze liberally but now the farmer has put a fence around his land. The animals are now using your own pastures but because they are not big enough they also graze in the Protected Areas.

The NGO and the farmer have repeatedly confronted you about this as the animals eat the endemic wildflower and destroy the bird nests.

You are collaborating with the industrialist and you give him the milk produced by your animals to package .

If you had more land you would consider getting more animals. At the moment though, because of the land restriction you are facing survival problems as your own pastures are not big enough. That is the reason why you would like to buy Land A.

Also, you have no organized system of treating the animal waste which ends up in the wetland. You have had disputes with the fisherman many times because of this as it pollutes and increases the eutrophication and bacteria in the wetland.

The residents, especially the mother's union and the nature protection community have repeatedly complained to Local Authorities because of the smell of your animals; they are afraid it can lead to disease

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Fisherman



Your situation

Your family has a long tradition in fishing and is very knowledgeable on the issues of the wetland.

You have a survival problem because the number of fish in the wetland are decreasing due to the pollution and the unsustainable fishing practices used in the past. You believe the Local Authorities should do more to stop people from using dynamite and fishing young fish.

You are asking the local authorities to biologically clean the wetland and have a big interest in other stakeholders to stop polluting it. You especially have problems with farmer using chemical pesticides, the industrialist who does not treat his industrial waste and the Local Authorities that don't have a waste water treatment plant.

With the help of the NGO you got involved in ecotourism. You have some canoes and pedalos which you rent and also give tours to groups who want to learn traditional ways of fishing. A clean wetland is important for this business also.

You fear that the project proposed by the developers because you think that it would harm your small scale ecotourism. However, you would benefit from more tourists coming to the area and so some of your members think it is a good development opportunity.

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Developer



Your situation

Inspired by the beauty of the shore, you, the local and national developers, want to invest on the coast and build areas of summer residences and a resort for tourists.

Many residents want this development because it will create jobs and will attract a number of tourists to the area.

This project will put you in dispute with the fishermen who fear losing control of the shore. Some residents are also worried about the sacred site that is located in the area to be developed, which would become summer houses.

The farmers support this project mainly because they hope to sell their products to the new restaurants but also fear that the owners may import these products from other, not local producers.

The activities you would like to introduce for the tourists are golf, jet ski, water ski and quads. They are not ecological and would negatively affect the wetland, especially concerning over use of water and ruining the aesthetic value. The NGO is against this development and has tried to block you many times.

You are not happy with the smell coming from the stockbreeders animals and the aesthetic impact that an extension of the industrialist's factory unit would have on the area.

Procedure

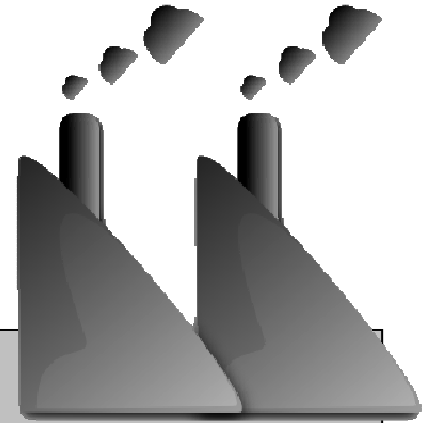
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Industrialist



Your situation

At the moment you have a traditional unit of packaging milk and you are getting part of it from the local stockbreeder.

You want to expand your business and start a packaging unit for other products like beans, vegetables, fish etc. This would give the opportunity to local producers to promote their products and make some profit.

At the moment you don't have a waste management system for the by-products of your industry which mainly ends up in the wetland.

You have the money to expand the factory but not to put in a waste management system. You firmly believe that in five years you will be able to implement one through the profits from the expansion.

Your expansion will create a minimum of ten jobs for the local community.

You will also further promote local products and you are very keen to collaborate, with other stakeholders.

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NGO



You have fought hard and have managed to create Protected Areas on the breeding grounds of two protected bird species and an endemic wildflower. However, the Protected Areas are not being respected, mainly by the stockbreeder, and you have informed the local Authority for this many times. You would be willing to assist them in enforcing the Protected Areas; you are doing it anyway, but would like some money to support you.

The farmer allows chemical pesticides to fall into the wetland and is using a lot of water for irrigation. Equally the industrialist is not treating his industrial waste which ends up in the lake. You have been monitoring the lake for years and you know that it has been degraded, the water quality is dangerously bad and the fish may soon become toxic for human consumption

You are worried that selling the public land to the Developer will affect the ecosystem irreversibly because of the building, the activities, they want to introduce, the excessive water use, the amount of visitors and the sewage.

You firmly believe that the Local Authorities should biologically clean the wetland and should fine all stakeholders that don't manage their waste. You are also trying to declare the whole area protected so that you can guarantee the ecological integrity of the ecosystems.

You have started an awareness raising campaign in the local community to inform people of the values and state of the wetland including the fact that there is no sewage treatment in the community.

You bring groups of students and visitors for environmental education and reinforce research activities from the local university.

You believe the only solution is to develop ecotourism around the wetland and you have already helped the fisherman start a canoe/pedalo renting business

Procedure

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Remember:***** Your job is to emphasize and defend the environmental protection of the area against any plans that would compromise it.
You have the right to ask, intervene or request clarifications at anytime of the meeting
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Residents



Your situation

You have a strong interest in many issues like job creation, health issues, environmental protection etc

You are particularly concerned with the water quality because recently there has been a high increase in intestinal problems in young children of the community which may potentially be linked to the water.

You are also worried about the stockbreeder not treating the animal waste and the mother's union believes that this might lead to disease.

The majority of residents have some connection with the fishermen, the stockbreeders, the farmers. Also, some work for the NGO and the industrialists factory. You want good jobs and a good quality of life. Having a sufficient amount and good quality water is very important to you.

Many residents don't appreciate the wetlands because they think it brings mosquitoes to the area.

You don't want to see the sacred site destroyed.

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