



The Game that allows you to explore
the tensions between
energy, food and nature

▶ The purpose of BIOMAdneSS

To explore the trade-off between the use of fertile land for food, biomass or nature

Developed by:

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▶ Who is the game intended for?

- Biofuel and biomass policy-makers
- Climate and nature policy-makers
- Food policy-makers
- Energy companies
- Fuel companies
- Biochemistry companies
- Food companies
- NGOs working on biomass, climate policy and food security
- Consultants involved with energy, food and nature

Where can we play the game?

1. In-company, facilitated by CE Delft, or
2. At CE Delft's offices in the historic Dutch city of Delft

Language: English or Dutch

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▶ How to play?

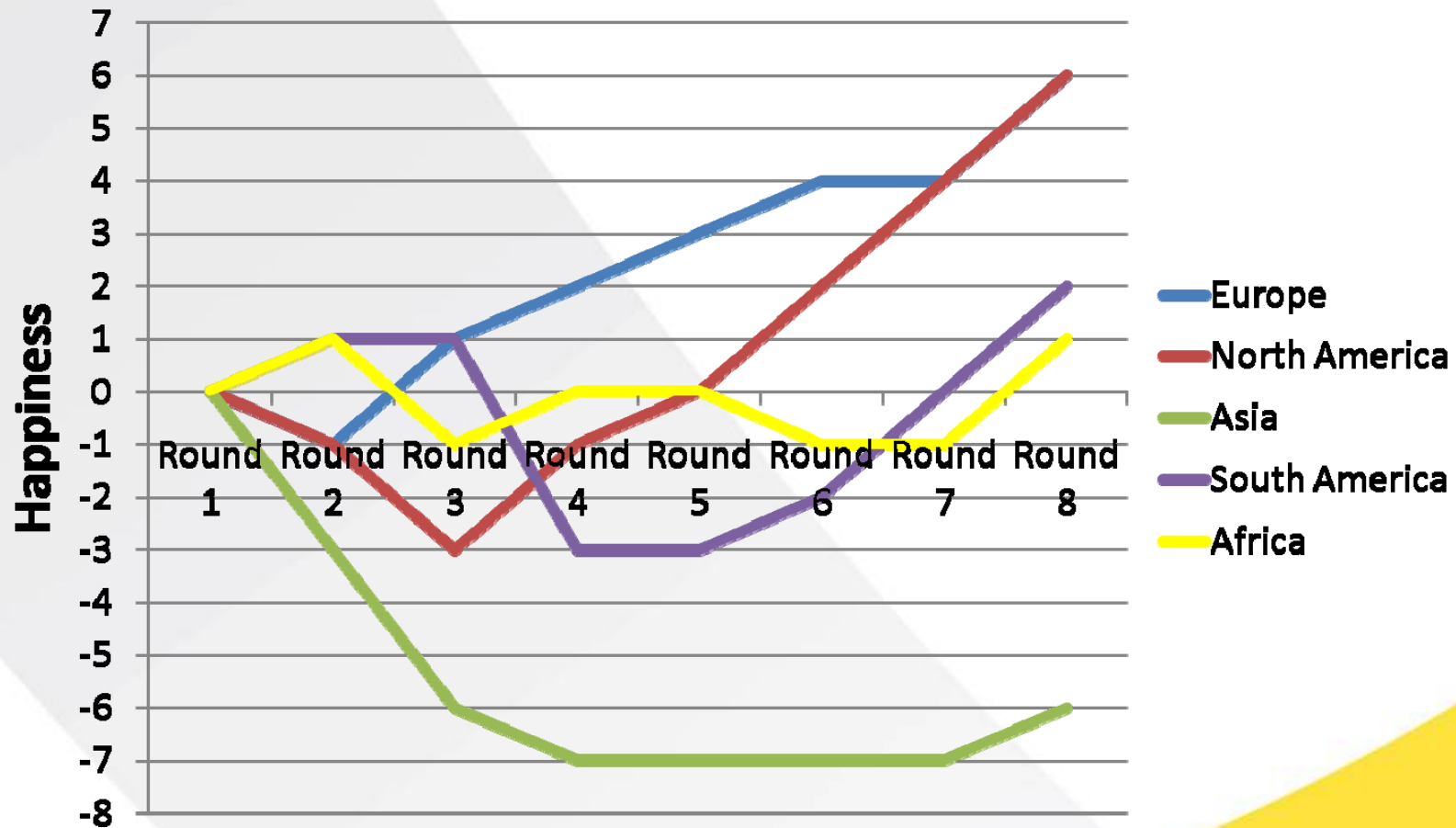
- On five continents (North America, South America, Europe, Asia & Africa) people's needs for food, energy and sustainability must be met
- Land planning is crucial: Nature, food or energy/biomass crops
- Trade is possible: food, energy and emissions rights
- Energy can be conventional, biomass or other renewables (eg. wind)

>> The goal: to make your population happy!

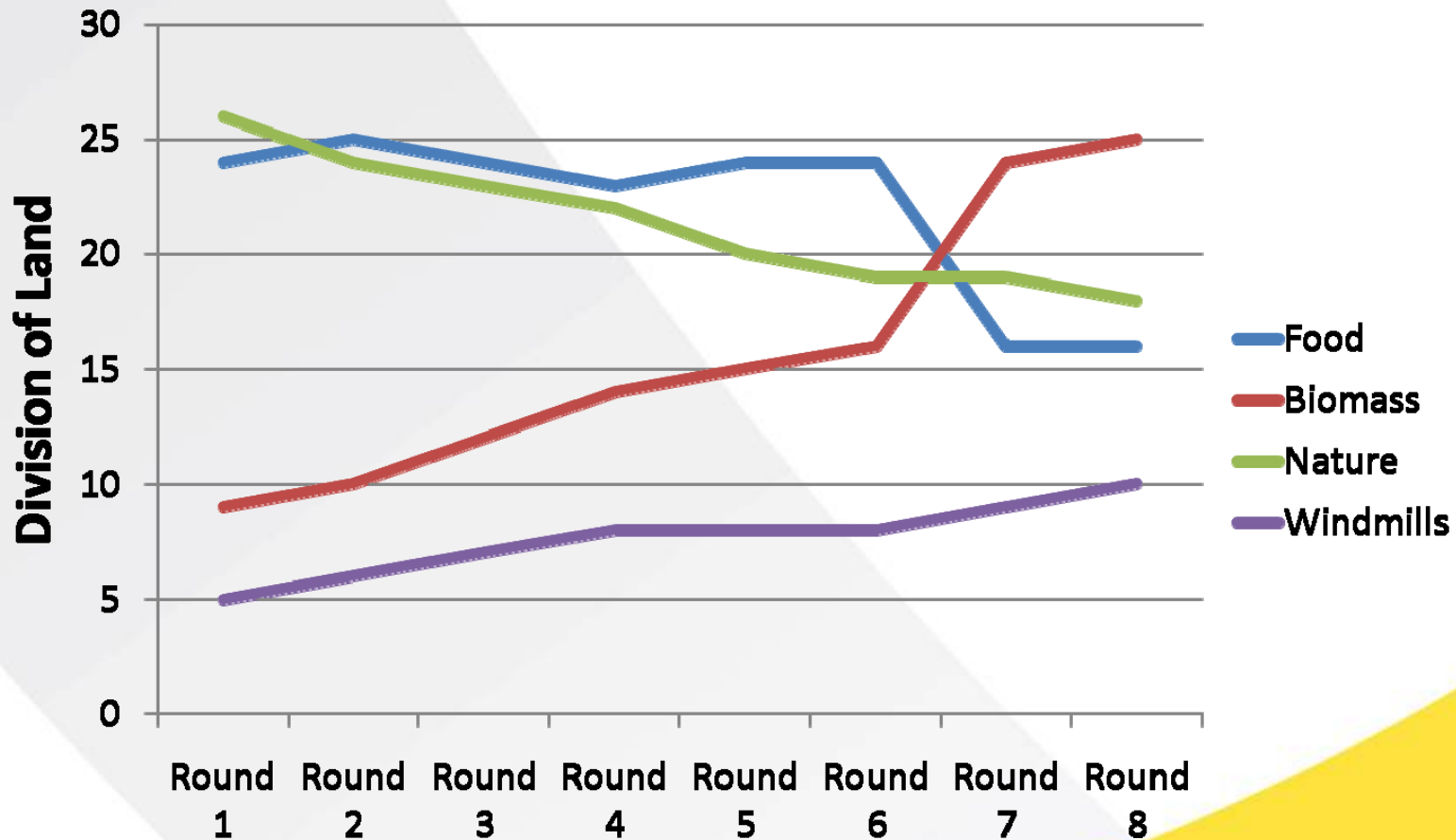
The game can be played by 5 to 20 people and takes 1 to 2 hours

Result: An instructive group experience and a better understanding of the interplay between food, energy, nature, biomass & trade

▶ Example of happiness factor world citizens



▶ Example of land division trends in the game



people happiness

A horizontal bar with 12 empty rectangular slots.



BIOMADNESS

food prices

	eu	as	sa	af
selling to	500	400	400	400
buying from	500	400	300	300

happiness factors

	food	kyoto	investments
😊😊😊			4200
😊😊		> 3	3500
😊	> 9	0 - 2	2800
😐	7 - 8	-2 - -1	2100
😞	5 - 6	-5 - -3	1400
😞😞		< -6	700
😞😞😞			0

continent properties

energy need	15
income	5000
minimum food	5
starts with	
nature	5
food	4
biomass	3
windmills	3

costs & build times

windmill park	2500
emission right	500
clean energy	800
conversion	rounds
... > nature	2
nature > ...	1
food > biomass	0
biomass > food	0

continent background

North America is the wealthiest continent in the world. The people are getting more and more concerned about the environment. Complying with the Kyoto protocol will be hard, because the Americans still spoil a lot of their energy. However, the situation is changing.

Over the last few years the USA has lost a bit of it's credibility for shaking up world economics, threatening it's position as the world's most powerful country.



▶ Contact

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NB: Discount for NGOs