Question number	Question
	Please, specify your profession and place of
1.	work, then describe your relation to the
	fishpond system in question.
	Please, take a look into our list of ecosystem
	services and based on your knowledge, select
2.	those that are provided by the fishpond system
2.	in question (only select those ecosystem services
	that you have already known before the
	interview).
	Do you know any other form of ecosystem
3.	service that is currently provided by the
5.	fishpond system in question however, it was not
	on our list?
	From your previous choices, please highlight
4.	those ecosystem services that are important for
4.	your stakeholder group. Please, explain your
	choices if it is possible.
	Do you know any impacts or interactions
5.	(positive or negative) related to the ecosystem
э.	services you were selected in question 2? If you
	do, could you please explain them?

Table S1	. Questions of the structured interviews	5.

Ecosystem services	Descriptions									
Fish production	fish, produced by fish farms									
Road production	reed (as raw material), harvested from the area of the									
Reed production	fishpond systems									
Feed for grazing livestock	natural sources of feed (hay, reed, etc.), provided for									
reed for grazing investock	livestocks grazing on the banks									
Firewood	firewood, provided by woody vegetations									
Microclimate regulation	ability of the fishpond systems to puffer the effects of									
Microchinate regulation	extreme temperature changes locally									
Carbon soquestration and	ability of the fishpond systems' aquatic and terrestrial									
Carbon sequestration and	vegetation to absorb and store CO2 from the air in the form									
storage	of carbon									
Air quality regulation	ability of the fishpond systems to absorb polluting									
Air quality regulation	materials (dust, etc.) from air									
	ability of the fishpond systems to regulate the level of									
Water quality regulation	organic and inorganic materials in the water (nitrate, nitrit									
	etc.)									
Water store 20	stored water of the fishponds that could be used									
Water storage	alternatively in the case of extreme droughts									
Opportunity for water	ability of the fishpond systems to store unnecessary waters									
retention	of surface runoffs in the case of extreme precipitation levels									
Created and the state of the state	ability of the fishpond systems' canals to provide									
Groudwater recharge	groundwater for the surrounding areas									
Aesthetics	spectacular views and landscape units, that visitors could									
Aesthetics	experience									
Cultural	ability of the fishpond systems to raise the level of cultural									
heritage/Inspirational	heritage by giving inspirational sources to artists and									
source	visitors									
Opportunities for	ability of the fight and exchange to married a superstruction for									
scientific	ability of the fishpond system to provide opportunities for									
research	the implementation of scientific researches									
Opportunities for	abilities of the Calman dependence to an activity on a structure time for									
environmental	ability of the fishpond system to provide opportunities for									
education	educational activities									
<b>Decreation</b>	different forms of recreational activities provided by the									
Recreation	fishpond systems (hiking, hunting, etc.)									

 Table S2. Revealed ESs of the fishpond systems.

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Ecosystem services	Number of highlights per fishpond systems								
	Akasztó	Biharugra	Szeged	SUM					
Fish production	3	12	7	22					
Reed production	0	9	4	13					
Feed for grazing livestock	2	0	0	2					
Firewood	1	0	0	1					
Microclimate regulation	2	0	6	8					
Carbon sequestration and storage	0	8	2	10					
Air quality regulation	0	10	0	10					
Water quality regulation	1	8	3	12					
Water storage	0	4	5	9					
Opportunity for water retention	0	0	3	3					
Groudwater recharge	0	7	0	7					
Aesthetics	0	11	0	11					
Cultural heritage/Inspirational source	2	9	6	17					
Opportunities for scientific research	1	5	6	12					
Opportunities for environmental education	1	10	5	16					
Recreation	3	11	7	21					

**Table S3.** Number of times when the listed ESs were highlighted by the key-informants of the selected fishpond systems.

ES categories			Bih	arugra				Szeged			Akasztó				
	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM
Provisioning ESs	2.5 ±3 SD	1.25 ±1.5 SD	0	1.5 ±1.73 SD	5.25 ±6.18 SD	0.5 ±0.57 SD	1.25 ±1.5 SD	0.75 ±0.96 SD	0.25 ±0.5 SD	2.75 ±3.4 SD	1 ±0.82 SD	0.5 ±0.58 SD	0	0	1.5 ±1.29 SD
Regulating and maintaining ESs	2.71 ±2.06 SD	1±0.82 SD	0	1.57 ±1.40 SD	5.29 ±4.03 SD	0.71 ±0.48 SD	1.14 ±1.21 SD	0.71 ±0.95 SD	0.14 ±0.38 SD	2.71 ±2.29 SD	0.29 ±0.49 SD	0.14 ±0.38 SD	0	0	0.43 ±0.79 SD
Cultural ESs	4 ±1.7 SD	3 ±0 SD	0	2.2 ±0.84 SD	9.2 ±2.49 SD	0.6 ±0.55 SD	2.4 ±1.34 SD	1.4 ±0.89 SD	0.4 ±0.55 SD	4.8 ±2.77 SD	1 ±0.71 SD	0,4 ±0.55 SD	0	0	1.4 ±1.14 SD

Table S4. Mean mentioning values of the main ES categories; FF—fish farming; NC—nature conservation; WM—water management; T—tourism (SD: Standard deviation).

Table S5. Mean importance values of the main ES categories; FF—fish farming; NC—nature conservation; WM—water management; T—tourism (SD: Standard deviation).

ES categories			Bih	arugra					Akasztó						
	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM
Provisioning ESs	1.5 ±2.38 SD	0	0	0.5 ±1 SD	2 ±3.37 SD	0.5 ±0.58 SD	1 ±1.15 SD	0	0.25 ±0.5 SD	1.75 ±2.06 SD	1 ±0.82 SD	0.25 ±0.58 SD	0	0	1.25 ±0.96 SD
Regulating and maintaining ESs	0.29 ±0.76 SD =	0.71 ±0.95 SD	0	0.86 ±1.21 SD	1.86 ±1.86 SD	0	0	0.29 ±0.76 SD	0	0.29 ±0.76 SD	0.14 ±0.38 SD	0	0	0	0.14 ±0.38 SD
Cultural ESs	0.2 ±0.45 SD =	1.6 ±1.34 SD	0	1 ±1.41 SD	2.8 ±2.05 SD	0.2 ±0.45 SD	2 ±1.22 SD	0	0.4 ±0.55 SD	2.6 ±1.82 SD	0.6 ±0.55 SD	0.4 ±0.55 SD	0	0	1 ±1 SD

Interactions		Bih	arugra					Akasztó							
	FF	NC	WM	Т	SUM	FF	NC	Szeged WM	Т	SUM	FF	NC	WM	Т	SUM
Fish farming activity is the base of every other ES in the list	5	2	0	3	10	1	3	0	0	4	0	2	0	0	2
Fish production positively affects biodiversity	5	0	0	0	5	1	2	0	0	3	0	1	0	0	1
Fish production creates opportunities for recreational activities	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Fish production positively affects carbon sequestration and storage through biodiversity	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Fish production positively affects microclimate regulation	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Biodiversity positively affects carbon sequestration and storage	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Biodiversity positively affects reed production	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Biodiversity positively affects fish production	6	0	0	0	6	1	0	0	0	1	2	0	0	0	2
Biodiversity positively affects water quality regulation	4	1	0	0	5	0	2	1	0	3	1	0	0	0	0
Biodiversity positively affects recreational activities	2	2	0	1	5	0	1	0	0	1	0	1	0	0	0

**Table S6.** Revealed positive impacts related to the listed ESs with the number of times when they were mentioned by the members of each stakeholder sectors of the selected fishpond systems; FF—fish farming; NC—nature conservation; WM—water management; T—tourism.

Interactions	Biharugra						Szeged						Akasztó	)	
	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM
Recreation positively affects opportunities for environmental education	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0
Recreation positively affects opportunities for scientific research	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0
Water storage positively affects microclimate regulation	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Grazing positively affects biodiversity	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1

Table S6. Cont.

Interactions		Biha	arugra					Szeged				Akasztó			
	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM	FF	NC	WM	Т	SUM
Biodiversity negatively affects fish production through fish eating bird species	6	0	0	0	6	1	0	0	0	1	2	0	0	0	2
Reed production negatively affects biodiversity	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0
Reed production negatively affects opportunities for scientific research in the case of biodiversity	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Recreation negatively affects biodiversity	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Recreation negatively affects fish production	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0

**Table S7.** Revealed negative impacts related to the listed ESs with the number of times when they were mentioned by the members of each stakeholder sectors of the selected fishpond systems; FF—fish farming; NC—nature conservation; WM—water management; T—tourism.