

PERCEPTIONS OF A DRYING LANDSCAPE TWO CASE STUDIES from the Duna-Tisza Interfluve region, Hungary OCP 2016, Prague

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(",Cursed Channel")



1. HISTORY OF THE "CURSED CHANNEL"



Agricultural Ministry of the Hungarian Kingdom , Hydrological Institute

History of the constructions

First plans: 1850-80s, 1898 "our aim is to win this large, practically completely useless territory in the heart of the country for civilisation, as soon as possible" (Elek Zlinszky 1898)

"Danube valley Irrigation and Drainage Association of County Pest" (1909)

Constructions (1912-1929)

- World War I
- Loan to the Company (1925)





Pictures of drained wetlands

(Brunó Lupkovics, engineer)

Reeds in Lake Kolon



Envrionmental risks

Short term effects

+ financial, economical risks

- Rainy years- floods
- Dry years drought, decline of groundwater

Long term effects?

 Fear of ,desertification' of the Great Hungarian Plain

fear of salinisation, drought and change of climate

Role of the media



Kunszentmiklós, picture of the 1936 flood from a newsreal (source: <u>filmhiradokonline.hu</u>)

Lajos Dinnyés, oppositionist politician

Noble, local landowner born in Dabas, 1901

Politician: 'Independent Smallholders' Party'

MP 1931-1939

Author of the pamflet **"Cursed Channel"** 1937



Suggested resolutions (by Lajos Dinnyés)

Financial and legal resolution Technical resolutions IRRIGATION+ FLOOD CONTROL Floodgates, sluices, new side-channel

SOIL IMPROVEMENT, MODERN AGRICULTURE

Who is responsible?





(Atokcsatorna, Ercsi. – A Nép. lyítenek és új csatornahálózatokat ava kiküldött munkatársától.) építenek ezek a gépmonstrumok. A Befútta az utat a hó. Befedte a föl- kotró hatalmas lapátjával belemédeket s mindent fehérség borit. A lyed a földbe és földek és a bennük meghúzódó őszi ervszorra més vetések dermedten térnek téli pihenore.

egyszerre másfél köbméter földet emel ki.

játszi könnyedséggel készí Azelőtt, télidőben, ősztől-tavaszig Olyan

From curse to blessing

After WW II

 \rightarrow short democratic period

1947 Building new irrigation channels

March 1947, Starting the **Danube-Tisza channel**

Népszava articles

A DUNA-TISZA CSATORNÁBÓL ÖNTÖZHETŐ TERÜLET A PESTMEGYEI DUNAVÉDGÁT TÁRSULAT ÁRTERÜLETÉN.



72, 82, 8



Lajos Dinnyés (2)

1945-1947 Minister of Deffence

11 May 1947 – 11 Dec 1948 Prime Minister



Reorganization of water management and cartography

Water management

 1948 Socialization of drainage associations and water management

 \rightarrow state irrigation programs

(Great Stalin Plan for Transformation Nature)

1957 socialist water management companies

Cartography

- New Military Survey (1953-59) by the restructured Defence Agency
- School maps in 1957

'Cursed Channel' in the 'Geographical Notification' (Földrajzi Értesítő) 1953-1960

Dinnyés republished the 'Cursed Channel' pamphlet in 1957



Drainage of the ,dirty waters' of Nagy-Csukás Lake, 1958 (MTI Fotó)

Memory

Opposing narratives

"it couldn't take the water away when it should have, but it took the water out of the soil when we would have needed it"

$\mathbf{\hat{T}}$

"swamps became fine soil"

- Lots of people drowned in it...
- Channel from the 'the cursed period' 1950s?
- Eco-perspective: groundwater decline, loss of natural wetlands, restoration programs

Wetland Restoration at the Lake Kolon



.35. ábra. A Pest megyei Dunavölgy Lecs 5 Társulat területe



2. COMPARING LOCAL FARMERS' AND CONSERVATIONISTS' PERCEPTIONS OF LANDSCAPE CHANGE



SAND

HABITATS

What are the causes of the process? Structural interviews PICTURE SORTING



ARTIFICIAL OBJECTS

CLIMATE

LAND USES

WETLAND HABITATS

NATIVE PLANTS

AFFORESTATION

INVASIVE PLANTS



The methodology of the interviews



Informants



LOCAL FARMERES	NATURE CONSERVATIONIST	
57 persons	9 person (planned ~15 person)	
47 men -10 women	7 men – 2 women	
age: 41-87 year, average: 66 year	age: 37-59 year, average: 47 year	
Livestock keepers-vinemakers, pensioners	rangers, researchers, environmental educators	





Wetlands, mainly with Phragmites australis





N=9

CHANGES OF REED perception of nature conservationists



CHANGES OF REED perception of local farmers

N=57

Causes of changes according to local farmers

Number of mentioning

LESS TUSSOCK	36	LESS REED	31
Less water	29	Less water	23
Grazing, mowing	4	Mowing	2
Destroying	4	Agricultural subsidies	1
Mowing with machines	3	Nature conservation	1
Burning	1	Used as arable land	1
Agricultural subsidies	1	MORE REED	12
Schrub encroachment	1	Lack of mowing, grazing	9
MORE TUSSOCK	3	Nature conservation	5
Lack of mowing	3	Land abandonment	2
Not maintained channels	1	Not maintained channels,	2

CONCLUSIONS about the two cases

- Environmental perception: Practices, identites and power
- Positionated knowledge
- Reducing environmental risks and restore landscapes as a poltical issue
- Shifting narratives and baselines of perceptions – historical continuitues

