

los andaluces y el agua

encuesta **d**eliberativa



ERNESTO GANUZA

WHAT IS A DELIBERATIVE POLL?

- Research technique whose main objective is to obtain information regarding the opinion of the citizens once the information and debate requirements have been met.
- Designed to obtain descriptive information, initially outlining the general state of opinion and, in a second moment, after deliberation, the views of a hypothetical well-informed public. They also show what citizens would think with a higher level of information and involvement in public processes

WHY A DELIBERATIVE POLL ABOUT WATER ?

- ✓ EUROPEAN POLITICAL CONTEXT: NEW WATER FRAMEWORK IN EU
- ✓ INTEREST OF ANDALUCIA WATER COUNCIL TO OVERCOME POLITICAL CULTURE ABOUT WATER RESOURCES

WHY TO DO IT?

– PUBLIC OPINION

- Opinions, not attitudes (Converse 1964)
- Pseudo-opinions (Bishop 1980)
- Many citizens don't know anything when they are asked (Delli Carpini 1991)

– CITIZEN PARTICIPATION

- Between elections, lack of participatory mechanisms
- “*Responsiveness*”

RESULTS

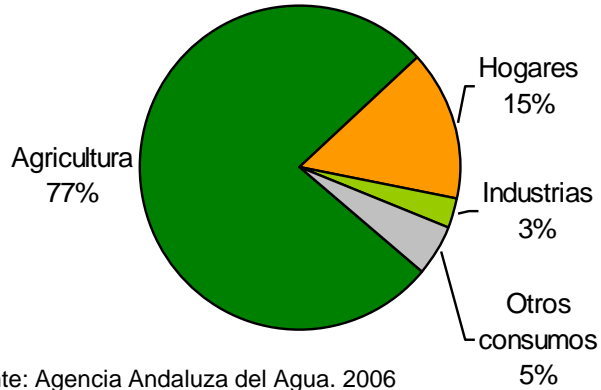
KNOWLEDGE

PUBLIC POLICIES

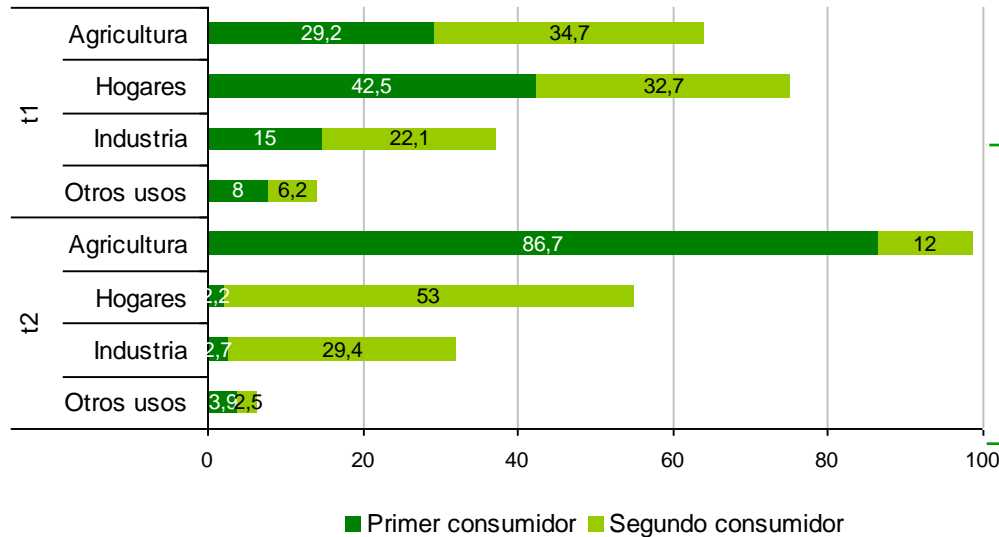
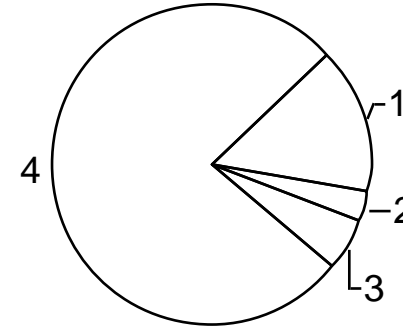
BELIEFS

KNOWLEDGE

DISTRIBUTION WATER RESOURCES IN ANDALUCIA



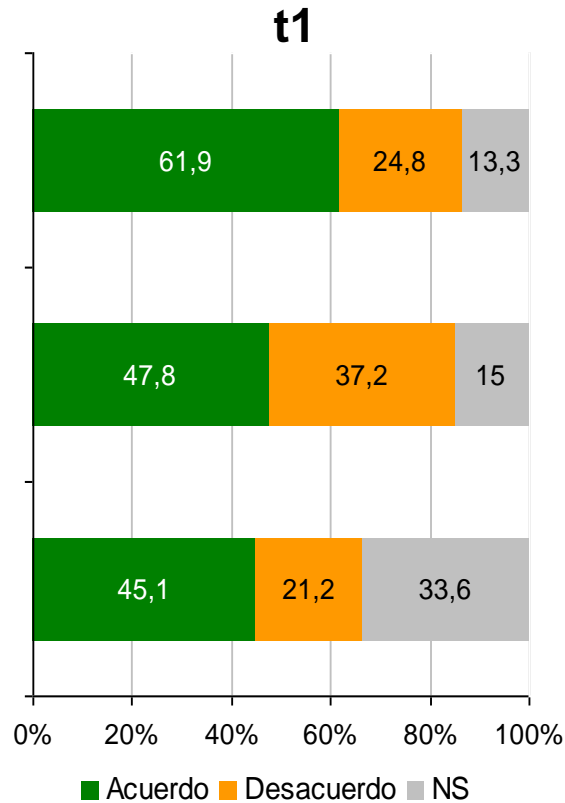
Fuente: Agencia Andaluza del Agua. 2006



	Keep opinion	Change opinion but fail	Change opinion and it's correct	Change "don't know"	Total
1er Agricultura	22,6%	7,8%	65,1%	4,5%	100%
2º Home	24,5%	36,5%	36,2%	2,8%	100%

KNOWLEDGE

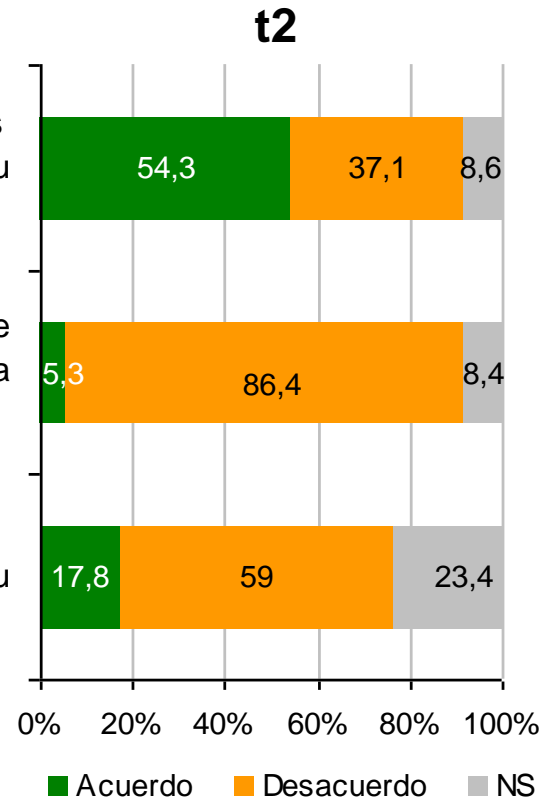
Could you say me if you agree with the following opinions?



El precio del agua de los hogares es mayor que su coste real

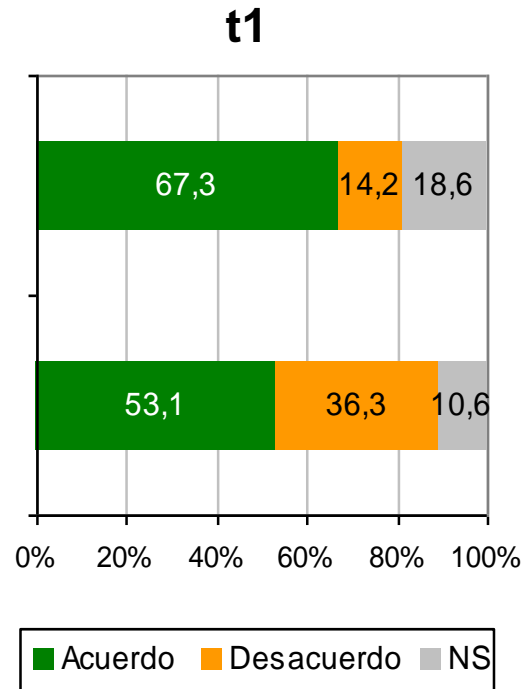
El consumo del conjunto de hogares es mayor que en la agricultura de regadío

El precio del agua en la agricultura es mayor que su coste real



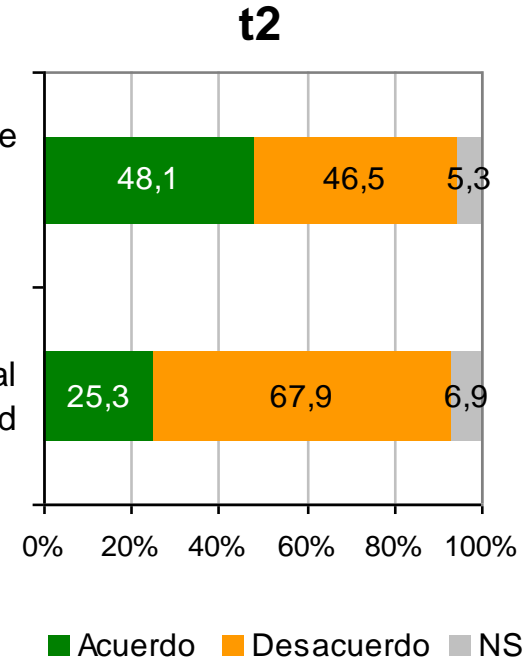
BELIEFES

Could you say me if you agree with the following sentences?



Los acuíferos son una fuente
que no se aprovecha lo
suficiente

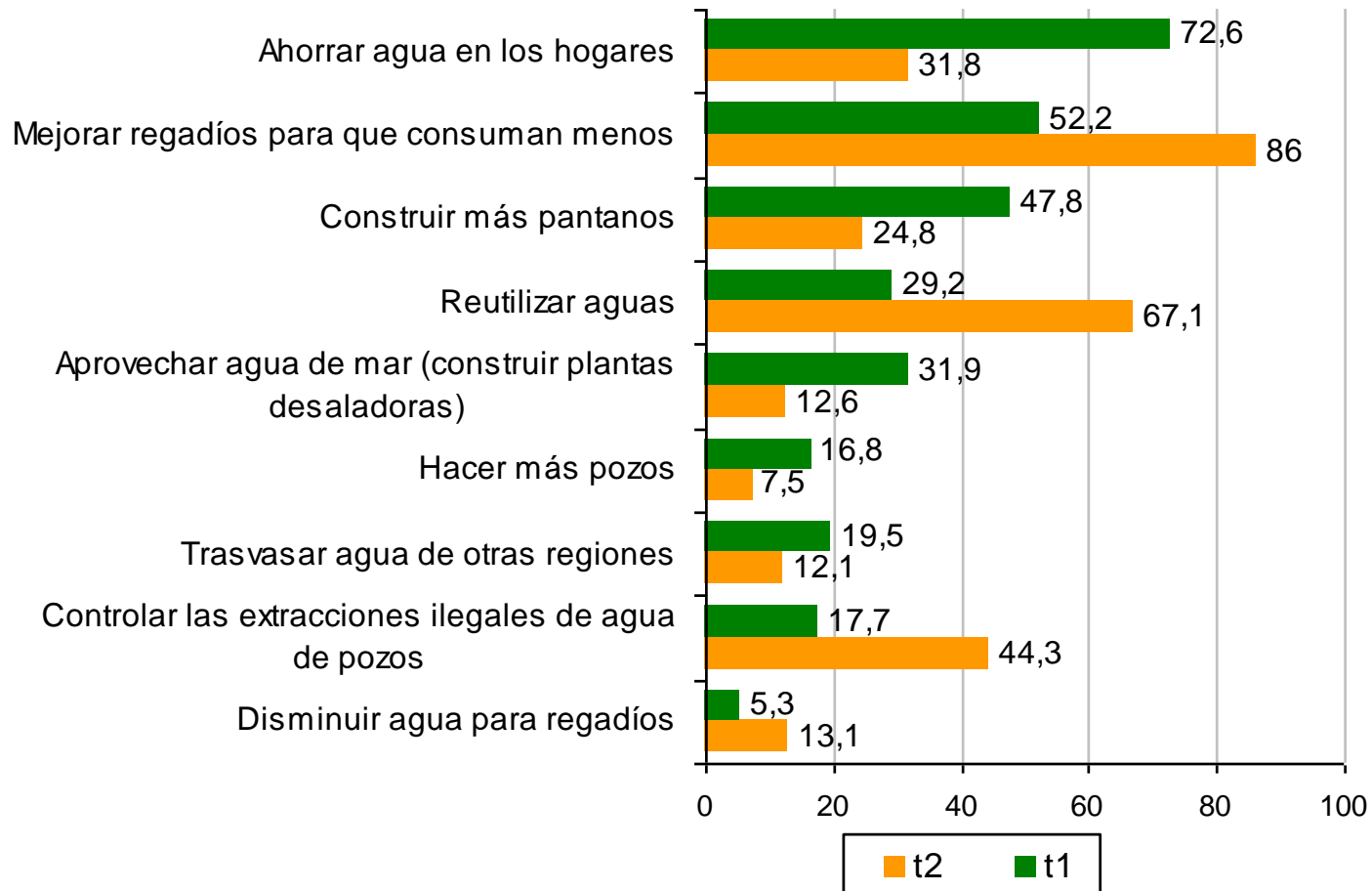
El agua no consumida vertida al
mar se pierde y no tiene utilidad



	Keep opinion	Change to productivist one	Change to ambialist one	Change "I don't know"	Total
Aquifers are a source of water that is not used enough	44,3%	16,2%	38,2%	1,3%	100%
Water that is not consumed is poured into the sea, lost and has no use	49%	6,9%	37,2%	6,9%	100%

PUBLIC POLICIES

Of the set of measures related to water that I show you, could you indicate, in order of importance, which ones you consider would be the three most suitable to improve water management in Andalusia?



PUBLIC POLICIES

SUPPORT TO WATER MANAGEMENT MEASURES

	Keep offer measures	Keep demand measures	Change to offer measures	Change to demand measures	Total
First measure	5,5%	54,2%	8%	32,4%	100%
Second measure	5,1%	37%	17,9%	40%	100%
Third measure	12,9%	38,5%	7,4%	40,3	100%

HOW WE DO IT?

DELIBERATIVE
FORUM

THE SURVEY

DELIBERATIVE
DINAMIC

DELIBERATIVE FORUM

1 YEAR BEFORE

ACCOMODATION SEARCH

SEARCH OF INFORMATION ABOUT WATER

EXPERTS CASTING

INFORMATIVE BROCHURE

DELIBERATIVE FORUM

2 MONTHS BEFORE

INFORMATIVE BROCHURE FOR DF
DELIBERATION DESIGN (dynamic)

CONTACT EXPERTS and PERSONAL
INTERVIEWS

HIRING A COMPANY TO ORGANIZE DF

HIRING 20 DINAMIZERS FOR DF

THE SURVEY

SECOND HALF OCTOBER

SAMPLE OF THE SURVEY (1200 interviews)
(we explain DF at the bottom of the survey)

**RESULTS: HOW MANY PEOPLE CONFIRM O SAY IT'S PROBABLY HE/SHE WILL
COME (50%)**

FIRST WEEK NOVEMBER

DESIGN SAMPLE AMONG PEOPLE WHO SAYS
TO COME (150 among 590)

TELEPHONE CONTACTING

DEFINITIVE INFORMATIVE BROCHURE

THE SURVEY

NOVEMBER SECOND WEEK

(two weeks before)

CONTACT 150 PERSONS

POSTAL MAILING WITH DOCUMENTATION
(informative brochure, invitation letter,
forum program)

November third week

(one week before)

TELEPHONE CONTACT

DELIBERATIVE DYNAMIC

CHALLENGE

complex

PLURALITY OF EXPERTS WITH
DIFFERENT APPROACHES AND
INTERESTS ON THE
MANAGEMENT OF WATER
RESOURCES

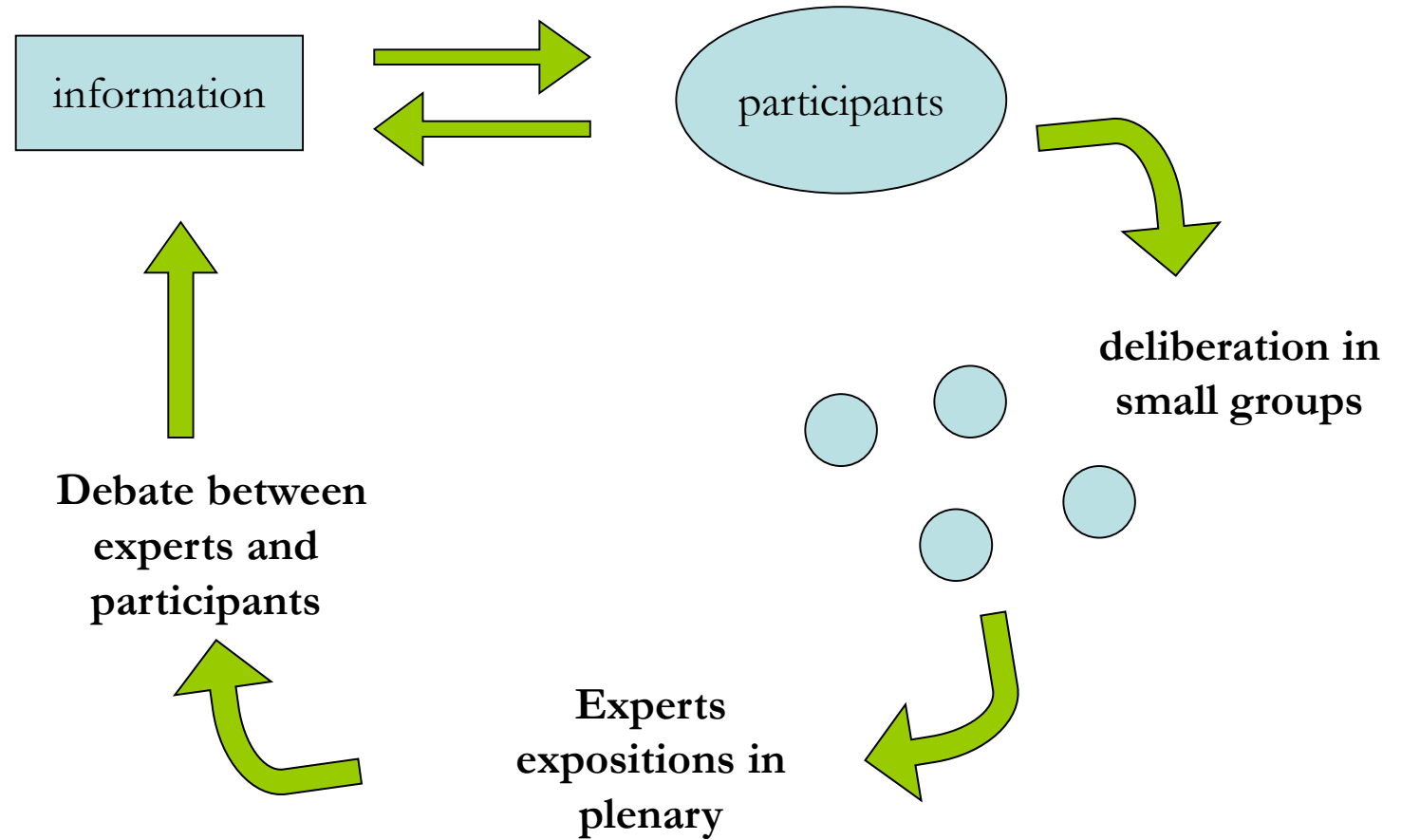
impartial debate on a

INFORMATION
requires

political regulation

MEASURES OF
WATER RESOURCES
MANAGEMENT

DELIBERATIVE DYNAMIC



NOVEMBER 22 SATURDAY

TIME	ACTIVITY
9:00	Registration participants
9:30	Institutional Presentation. Welcome to Deliberative Forum
10:00	1ª Sesión. EUROPEAN UNION WATER FRAMEWORK
10:45	Debate in Small Groups
11:30	Cafe
12:00	2ª Sesión. Current status of water in Andalusia Speakers: optimistic vs pessimistic perspectives
14:00	Lunch
16:00	Debate in Small Groups
17:30 - 20:00	3ª Sesión. Water from corporativist groups perspective. Speakers: a) Regional President of irrigators b) President of Water New Culture Association c) President of urban consumers

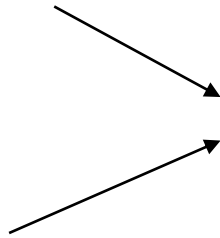
NOVEMBER 23 SUNDAY

TIME	ACTIVITY
9:30	Debate in Small Groups
11:00	Cafe
11:30	4ª Sesión. Demands and questions Experts answer
13:00	Survey
13:30	Finish
14:00	Lunch

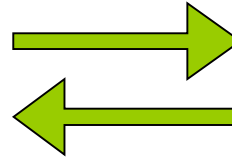


FIRST DYNAMIC

Informative brochure

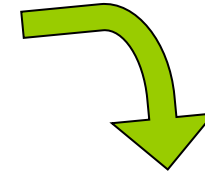


General data
about water



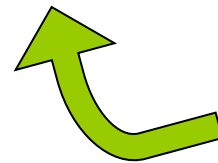
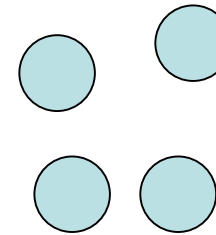
Participants

New EU Framework

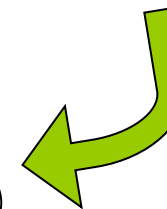


Small groups
deliberation: **the
current status of
water in Andalusia**

Deliberation in
plenary: **experts
and participants**



Experts in plenary



FIRST DYNAMIC

What is the current status in Andalusia of ...

Relationship between the demand for water and water available for use

We refer to the relationship that exists between the consumption demand of different water uses - homes, irrigation, industry, etc. - and the existing water supply in reservoirs, groundwater, rivers, etc.

Degradation of the water environment

We refer to the current state in which are the river beds, the coasts, river life system, etc and the pollution of water in rivers, groundwater, reservoirs, etc.

Purification and quality of urban waters

We refer to the quality of water for human consumption and the state of water purification, by which the water that is returned to nature after being used is cleaned of contaminants)

Water distribution system

We refer to the state in which the channels that make it possible to bring water to consumers and different water users are located)

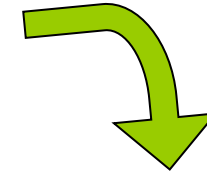
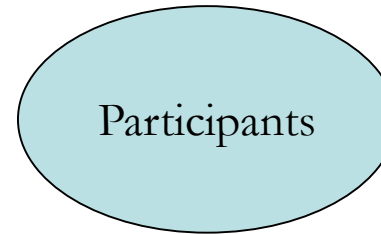
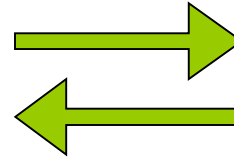
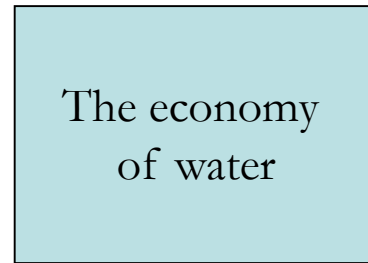
Efficiency of the use made of water

We are referring to whether the available water is being used well)

SECOND DYNAMIC

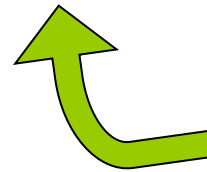
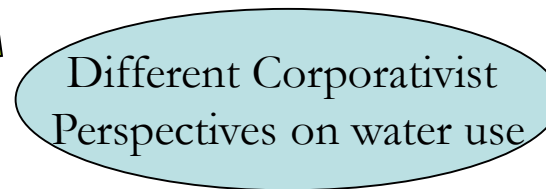
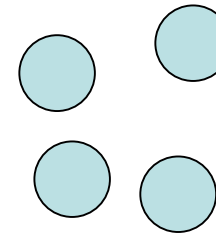
Informative brochure

Experts first session



Small groups
deliberation: **criteria
for distributing
water**

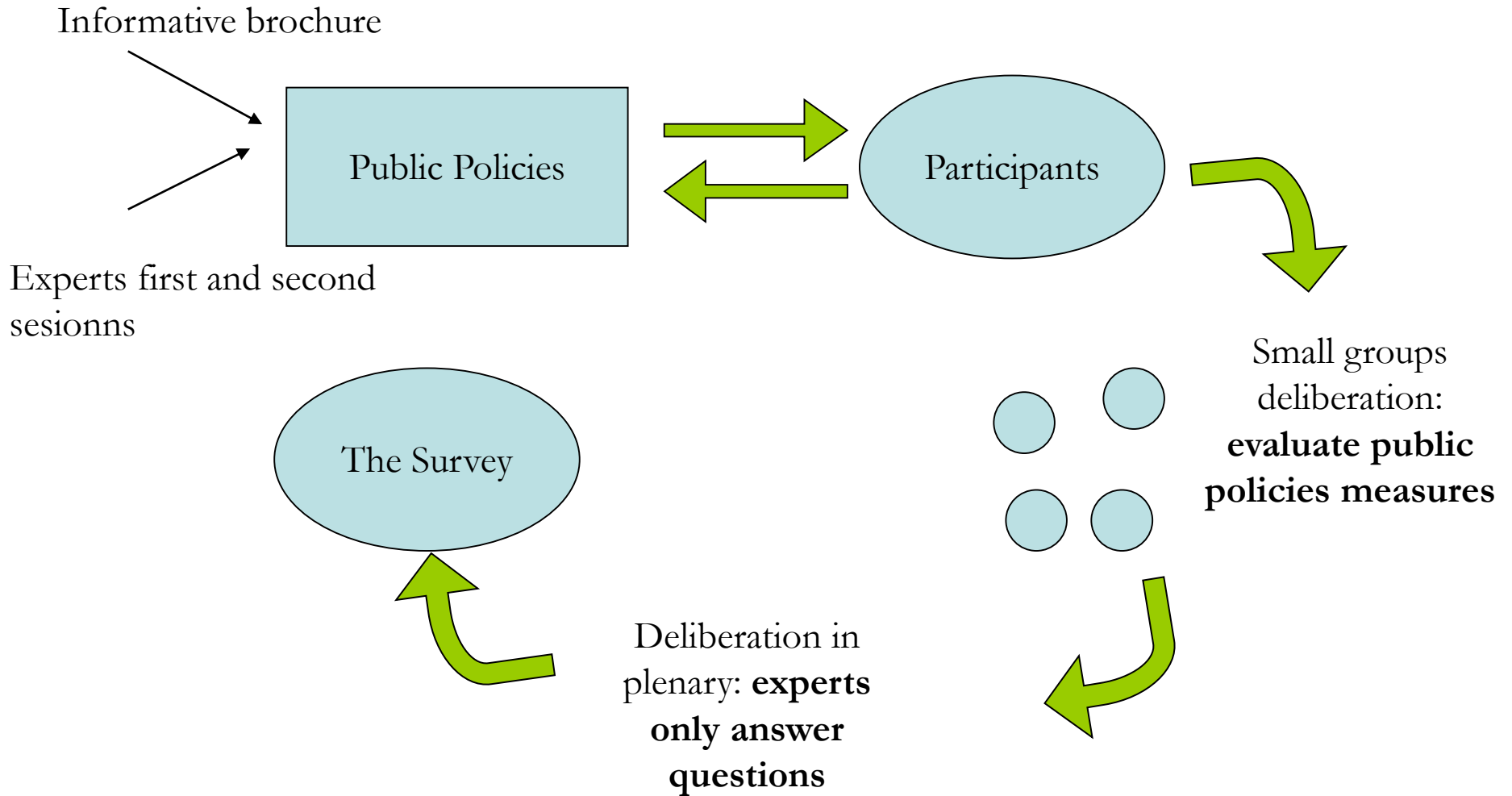
Deliberation in
plenary: **experts
and participants**



SECOND DYNAMIC

Criteria for distributing water	Advantages	Disadvantages
Economic and social development Encourage the use of water, prioritizing that its use produces economic wealth and jobs.		
Sustainability Encourage the use of water by prioritizing uses that do not deplete existing resources, that do not pollute rivers and groundwater, etc.		
Saving water Encourage the use of water by favoring those who save water		

THIRD DYNAMIC



THIRD DYNAMIC

Measures for the future of water	Advantages	Disadvantages
Improve irrigating lands to improve use of water		
Save water in homes		
Make more wells to extract more water		
Build more reservoirs		
Increase water costs		
Transfer water from other regions		
Decrease water for irrigation		
Take advantage of seawater (build desalination plants)		
Reuse water		
Control illegal well water withdrawals		

CONCLUSIONS

We think that information and debate generated a new scenario based on the "discovery" of the distribution of water consumption among productive sectors.

- ✓ **Changes in the perception of the problem:** less concern about the availability of water and the infrastructures for collection and storage, while the state of the water masses (contamination, purification, etc.) is more worrisome.
- ✓ **Changes in solution preferences:** Support for a more efficient use of water by controlling the supply of water and application of technologies (reuse, desalination, irrigation improvement, etc.).
- ✓ **Changes in beliefs:** Recognition of the environmental value of water and loss of emphasis of its productive value.

The importance of agricultural use is maintained, although social criteria (generating employment) lose support and efficiency in consumption is rewarded.

- ✓ **New distribution of responsibilities:** more demand on the Administration in the management of water resources while diluting the feeling of citizen effectiveness.

Thank you very much!!!

@eganuza

OTHER RESULTS

conocimiento: quien es el principal consumidor

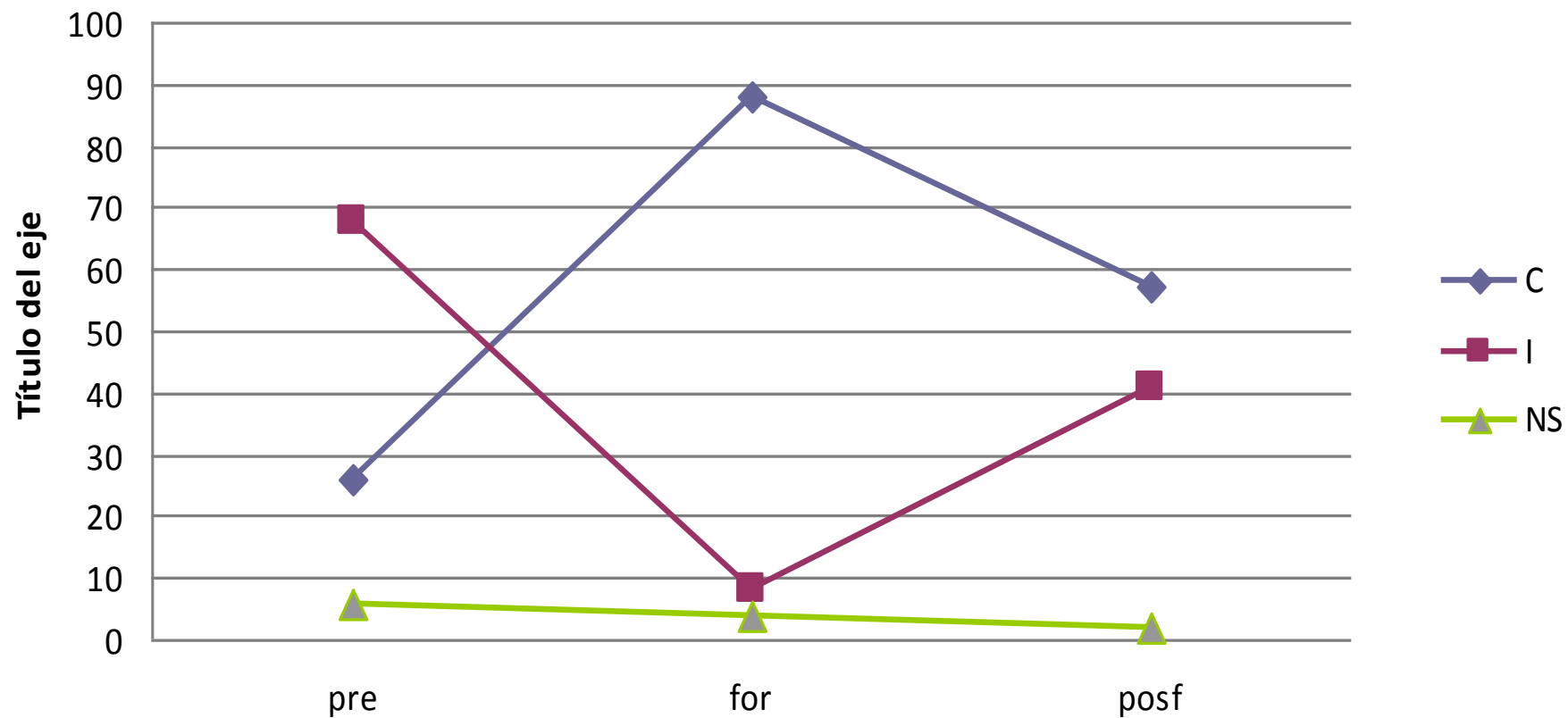


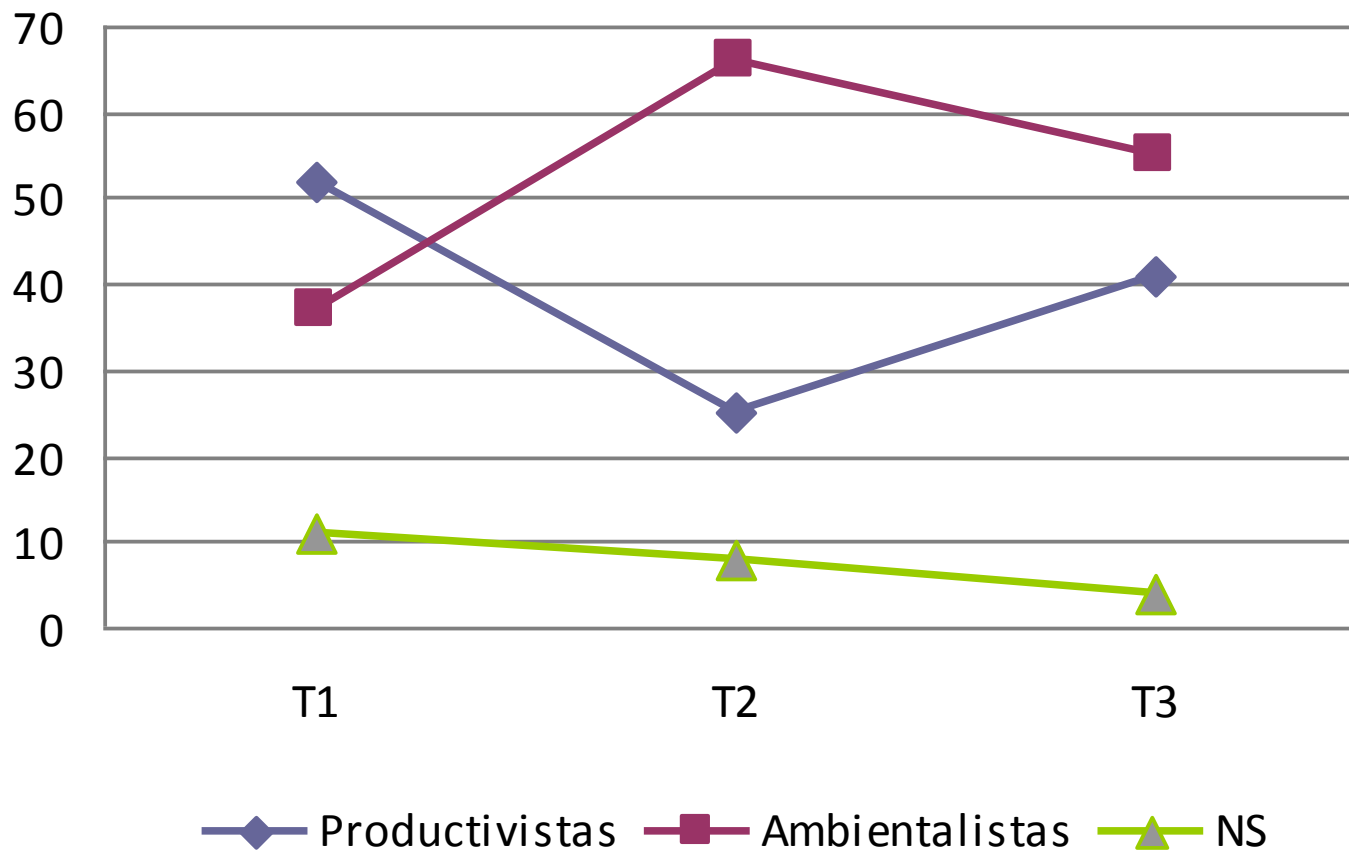
Tabla 1. Grado de acierto según perfiles en T1 y T3.

Perfil ambiental			Interes por la política		
	T1	T3		T1	T3
Activistas	38,5%	64%	Mucho interés política	37,5%	83%
Ambientales	32%	64%	Bastante	33,3%	66%
No-ambientales	26,7%	54%	Poco	28,6%	58%
			Nada interés política	28,3%	49%
Estudios			Edad		
	T1	T3		T1	T3
Sin estudios	25%	37,5%	18-29 anos	34,5%	52%
Estudios primarios	37,5%	45,5%	30-44 anos	35%	80%
Estudios secundarios	29,4%	71,4%	45-59 anos	11%	42%
Estudios universitarios	23,8%	65%	Mas 60 anos	35%	31%

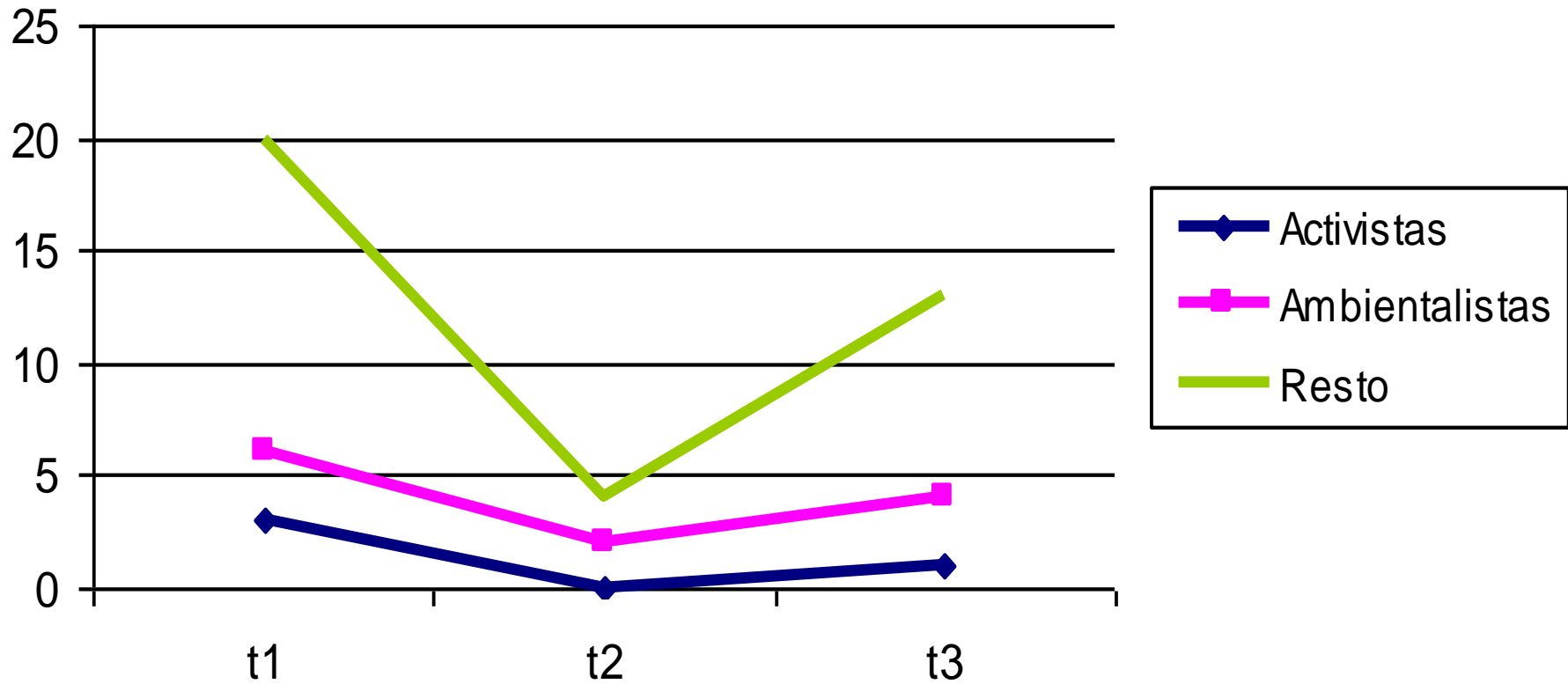
Tabla 2. Perfil de la persona que acierta en T2 y falla la pregunta de conocimiento en T3.

Perfil ambiental		Interes por la política	
	T3		T3
Activistas	36,4%	Mucho interés política	16,7%
Ambientales	27,3%	Bastante	33,3%
No-ambientales	42%	Poco	35,5%
		Nada interés política	43,6%
Nivel de Estudios		Edad	
	T3		T3
Sin estudios	50%	18-29 anos	39%
Estudios primarios	45,5%	30-44 anos	20%
Estudios secundarios	25%	45-59 anos	54%
Estudios universitarios	35%	Mas 60 anos	50%

EL AGUA SE VIERTE AL MAR Y SE PIERDE



Eficiencia urbana



Eficiencia agraria

