

*Social aspects of carbon capture,  
transport and storage:  
Total's Lacq project*

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# *Outline*

- A) Reinventing Lacq after a 50yr industrial history
- B) From press release to permit in 27 months
- C) A questionnaire survey in Jurançon



## *A - Reinventing Lacq, after a 50 year industrial history*

- 1951: natural gas discovered at -3 550 m
- 1957: plant opens at 1 million m<sup>3</sup> /day
- 1982: peaks at 33 million m<sup>3</sup>/day
- Today: < 10 million m<sup>3</sup>/day
- 2013-17: not the end
- 16 % H<sub>2</sub>S, 10 % CO<sub>2</sub>
- High Temp. & Pressure

















## ***B - 27 months from press to permit***

- **Total** press conference (Feb. 8<sup>th</sup> 2007)
- ~40 key local actors meeting (Jun-Sep/07)
- Concertation: Web, paper, 3 public meetings (Nov. 07, help from **C&S Conseil**)
- **CLIS**: Local information and surveillance commission meetings (April 08 - present)
- Administrative public survey (July - Sep 2008)
- Authorization (May 13th, 2009)

# *The project on Total's website*

**See online**

<http://www.total.com/fr/responsabilite-societale-envi>



## *Total's concertation*

Nov. 2007: 3 public meetings (~300 persons, 3h)

National level experts, real participation

Experience from Cretace 4000 concertation

Topics: risks, transparency, control, economic interest, the platform's future.

Outcome: Climate change information day, CLIS



## *The CLIS (local information and surveillance commission)*

- Legal institution, mandatory in some cases
- Composition: 4 State / 9 locally elected / 2 unions / 4 associations / 5 experts / 4 Total
- Installed 4/2008, met 7 times since
- Hears Total, can order additional investigations
- Reports and documents are made public at [http://www.pyrenees-atlantiques.pref.gouv.fr/sections/actions\\_de\\_l\\_etat](http://www.pyrenees-atlantiques.pref.gouv.fr/sections/actions_de_l_etat)



## *The public survey*

- 21/7/2008 – 22/9/2008 (64 days), 4 cities
- Double feature: Capture, Transport & storage
- Very weak participation (capture), contrasted (Transport and Storage) with 90% at Jurançon
- Favorable



## *Other actors*

- ENGOS

SEPANSO Béarn (federation affiliated to France Nature Environment)

Côteaux du Jurançon (local opposition)

- Research institutes (science comitee)

**BRGM, IFP, INERIS, CIRED/CNRS**

**APESA** (expertise, questionnaires)



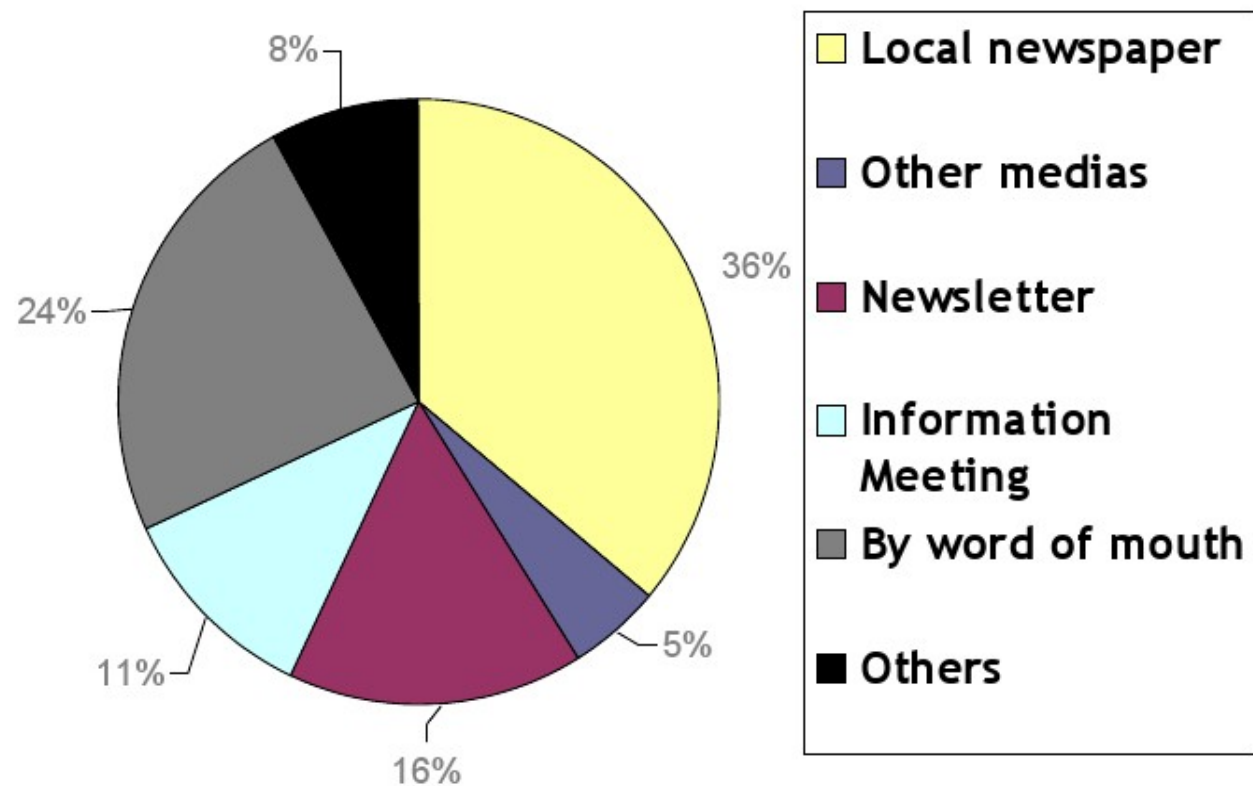
## *C - Questionnaire survey*

- Oct. 2008 in Jurançon city (7087 hab.)
- 167 returned (153 useable) on 1206 mailed
- 89 questions !
- Michèle Gaultier (APESA) with contributions from Ana Sofia Campos (CIRED/INERIS) within the SOCECO2 project





# How have you been informed of the project ?








- ❖ - Avez-vous consulté le site Internet de Total ou d'autres sites Internet : OUI 10% NON 90%
- ❖ - Selon vous, l'information dont vous disposez concernant le projet pilote est:
  - ❖ Tout à fait suffisante: 12%
  - ❖ Plutôt suffisante: 19%
  - ❖ Plutôt insuffisante: 23%
  - ❖ Insuffisante: 32%
  - ❖ Sans opinion: 14%





# *Do you think that the pilot project can bring something to the region regarding:*

- ❖ - Retombées économiques : 29
- ❖ - Emploi : 27
- ❖ - Attractivité industrielle : 23
- ❖ - Intérêt scientifique : 65
- ❖ - Autres : 11

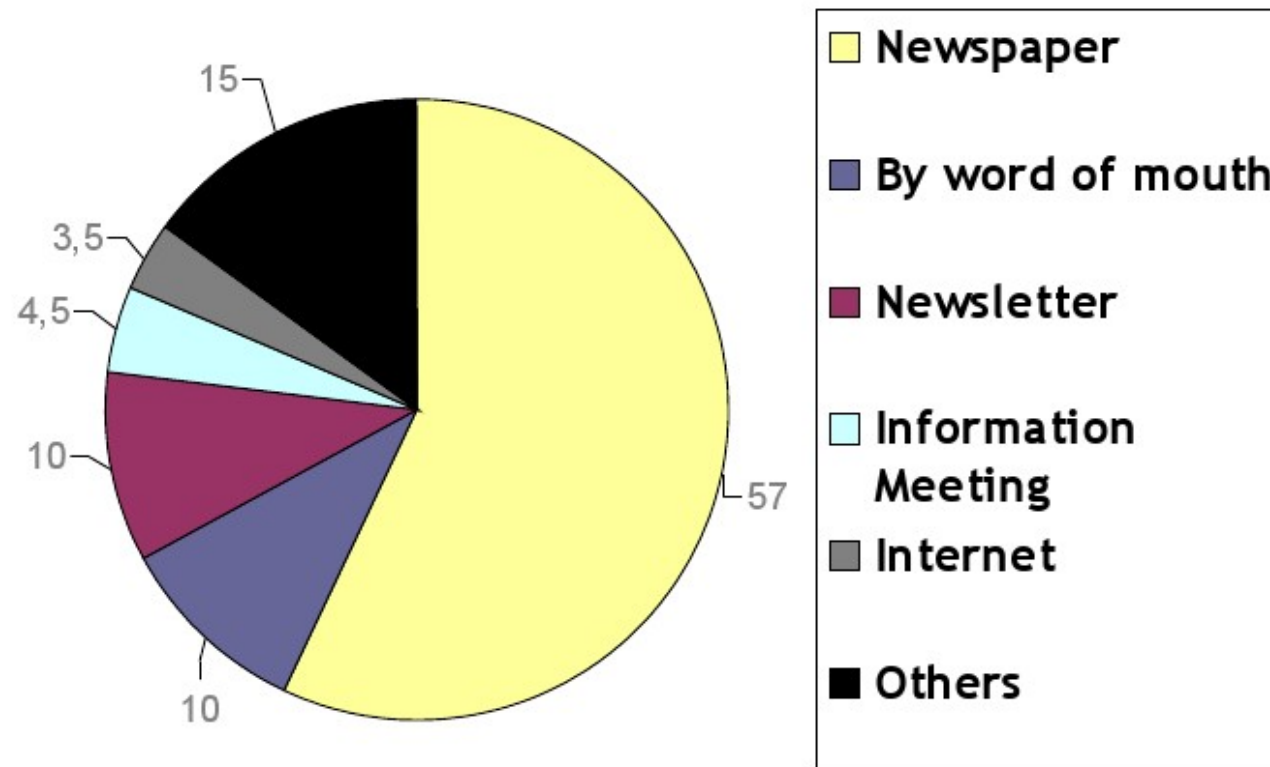
# *Do you know that Total organized a concertation ?*

- ❖ - Savez vous que Total a organisé une concertation ? : OUI 40%
- ❖ - Y avez-vous assisté ? : NON 87%
- ❖ - Avez-vous eu connaissance des comptes rendus et du bilan de la concertation ? : NON 93%

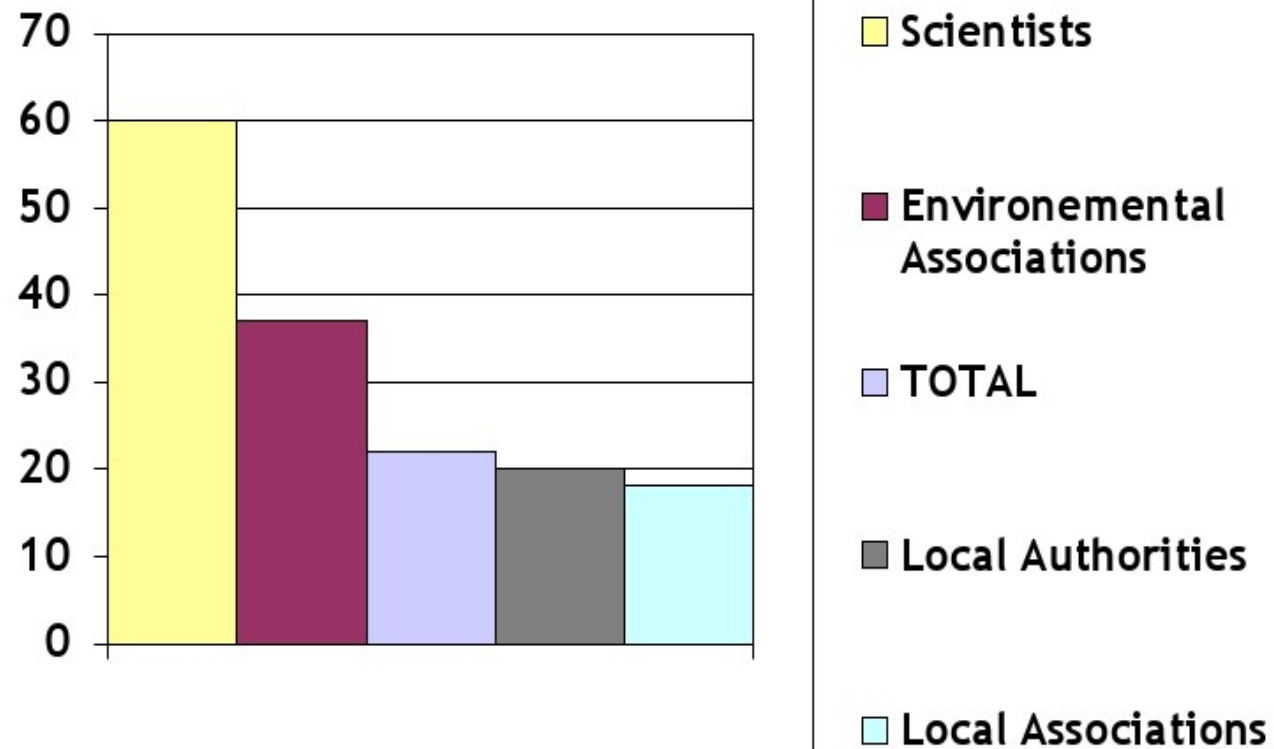




## Par quelle source avez-vous été informé de la concertation organisée par TOTAL?



# *Which sources can bring you additional information ?*







## PUBLIC SURVEY

- ❖ - Did you participate to the public survey
  - YES 9% NO 91%
  
- ❖ - Do you think a public survey is useful for a better consideration of neighbours interest
  - YES 70% WITHOUT OPINION 21 % NO 9%



# LOCAL COMMISSION OF INFORMATION

- ❖ - Did you know that a local commission has been organized
  - YES 33% NO 67%
  
- ❖ - Have you been informed of the results of the meetings of the local commission
  - YES 10% NO 90%





## The existing plant of gas extraction

- ❖ - Do you think that the operator has good mastery of the industrial risk of this plant
- ❖ YES 40% NO 18% DOES NOT KNOW 40%
  
- ❖ - Did you suffer from nuisance because of this plant
- ❖ YES 31% NO 69%

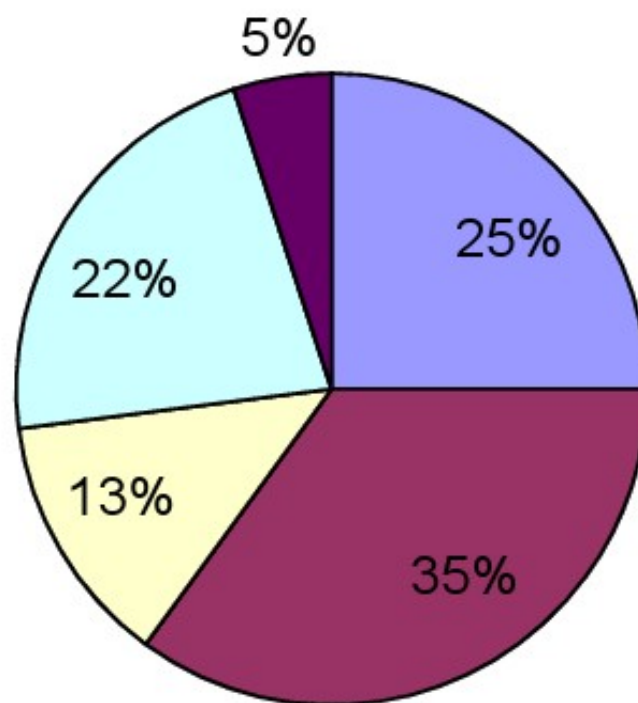


- ❖ - For you, is it still necessary to negotiate on the implementation conditions for the pilot?
- ❖ YES 51% NO 15% WITHOUT OPINION 34%





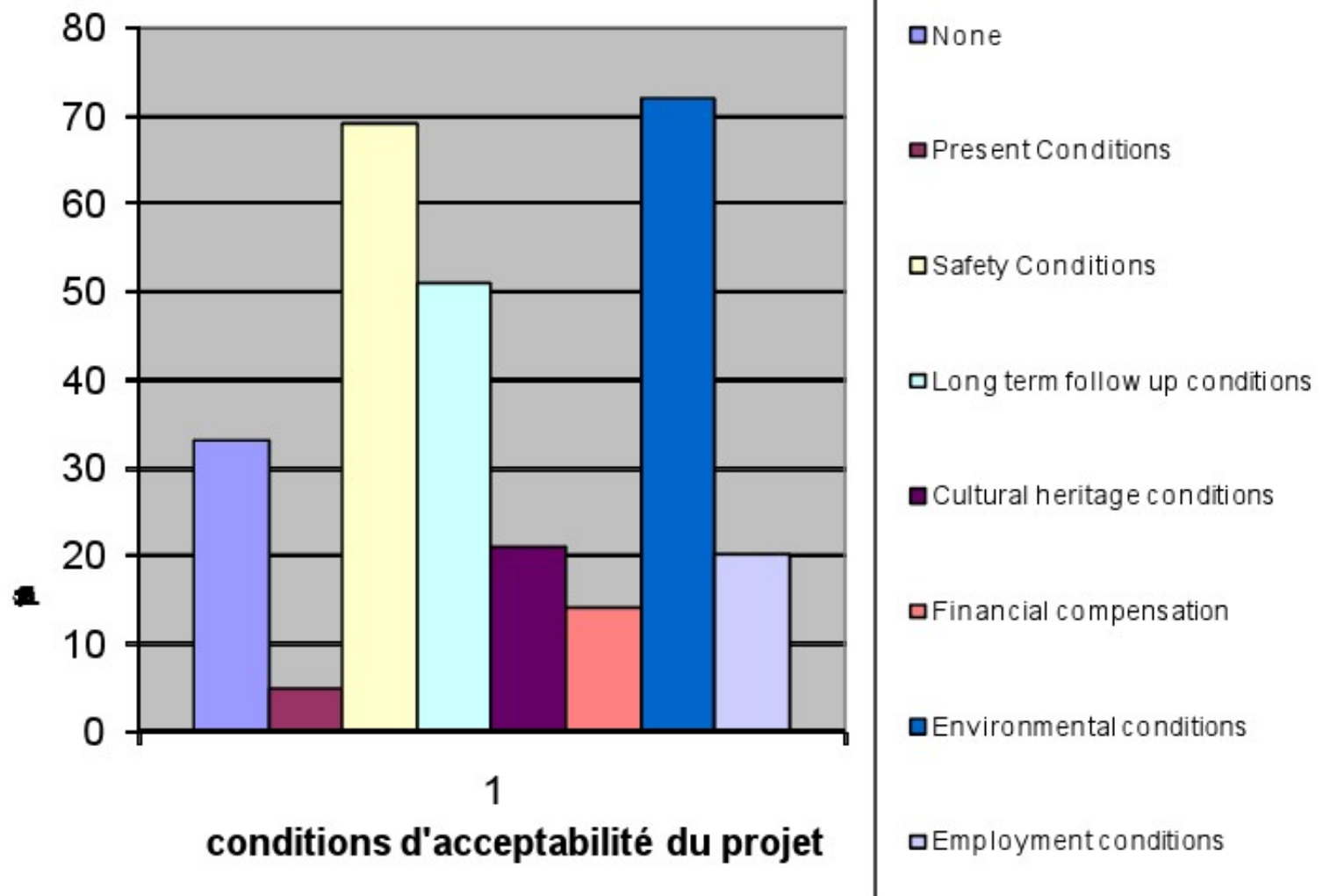
## Who should participate to the discussions around the pilot implementation?



- Local Authorities
- Neighbours & Local associations
- Local Government bodies
- Environemental associations
- Others industrials



# Under which conditions could you agree with this pilot project?





## *Conclusion*

- Favorable social and technical conditions, but technically constrained, not much to negotiate
- Pro-active concertation works, but people always want more
- For NGOs, October 2007's « Grenelle de l'environnement » was only the beginning