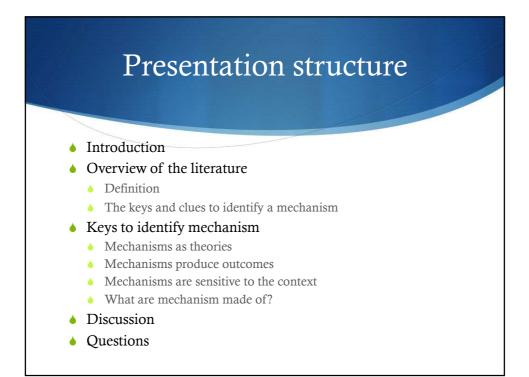




# Three projects In a realist perspective

- 1. Theory-driven program evaluation of case management program for people with SMI from a realist perspective (part of my master's degree in social work)
- 2. **Realist review** of case management programs in North America (and the Province of Quebec)
- 3. Traditional research on the social mechanisms explaining the influence of social relationships on mental health recovery, from a realist perspective (part of my PhD program in Community Psychology)



# Data of the proton of program mechanism that we take the step from asking twork" (Pawson & Tilley, 1997, p.6).

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## Overview of the literature An example

# Understand how interpersonal relationships influence mental health recovery

#### Social support

"Over the past 30 years, investigators have called repeatedly for research on the mechanisms through which social relationships and social support improve physical and psychological [outcomes]" (Thoits, 2011, p.145)

#### Relationship with a professional

"Results indicated that [...] However it is not clear precisely what the mechanism of change was." (Elvins & Green, 2008, p. 1182)

Two contexts of helping relationship (whether it is a paid helper or not)
Plenty of covariance research showing that interpersonal relation is linked with mental health recovery

• A call for "mechanism" (even if it is not from a realist perspective)

### Overview of the literature What is a mechanism? What it's not?

Maybe the best way to present a mechanism would be to define what it is not (Gerring, 2008, p. 163).

Mechanism are **not universal covering-laws**, they are more situational, bounded or specific to a certain number of contexts

Mechanism are **not variables**, they are explanation of why variables are related (Astbury & Leeuw, 2010, p.367)

Mechanism are not programme activities

Mechanism-based approach to causation can be distinguished from a **variance** (Maxwell, 2004; 2012) or **covariance approach** (Gerring, 2008)

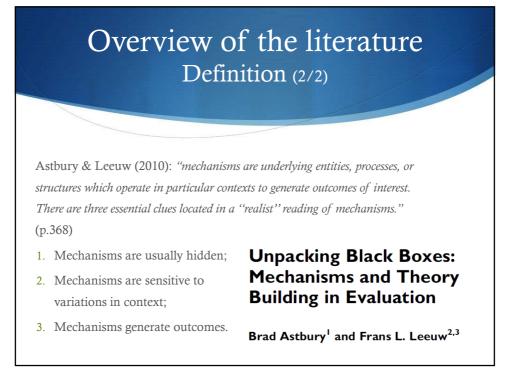
#### Overview of the literature Definition (1/2)

The commonly used definition from Pawson & Tilley (1997, p.68) states that a mechanism is "an account of the makeup, behavior, and interrelationships of those processes that are responsible for the outcome. A mechanism is thus a theory – a theory that spells out the potential of human resources and reasoning".

**Ray Pawson & Nick Til** 

In realist evaluation it takes a central role in the Context-Mechanism-Outcome

There are always multiple mechanism**s** (Pawson & Tilley, 1997; Astbury & Leeuw, 2010; Bunge, 2013)



### Overview of the literature Features and identifiers

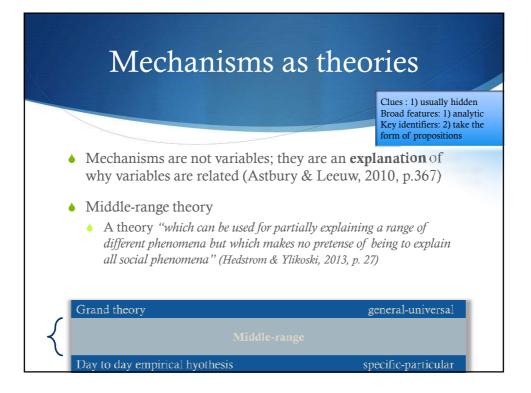
- Broad features of mechanisms (Pawson & Tilley, 1997, p.75)
  - 1. ""**analytic**' and so involve breaking down the program into a series of potential sub-processes [...]
  - 2. 'stratified' in that they involve both macro and micro processes [...]
- 3. '**propositional**' and 'processual' in that they involve the interplay between social resources and participants' reasoning." (p.75)
- Three key identifiers (Pawson & Tilley, 1997, p.66):
  - to reflect the embeddedness of the program within the stratified nature of social reality;
- 2. to take **the form of propositions** which will provide an account of how both macro and micro processes constitute the program
- 3. to demonstrate how program outputs follow from stakeholders' choices (reasoning) and their capacity (resources) to put these into practice

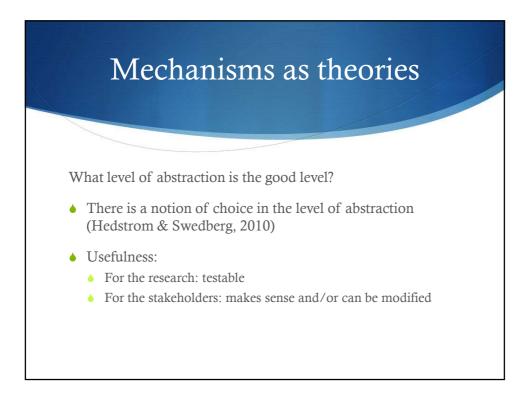
# How to identify mechanisms?

Clues : 1) usually hidden Broad features: 1) analytic Key identifiers: 2) take the form of propositions

#### • Keys to identify mechanism

- Mechanisms as theories
- Mechanisms produce outcomes
- Mechanisms are sensitive to the context
- What are mechanism made of?





# Mechanisms produce outcomes

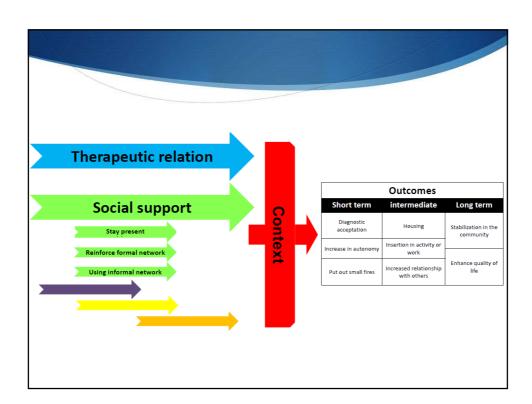
Clues : 2) generate outcomes Key identifiers: 2) demonstrate how program outputs follow from...

• The main characteristic of a mechanism is its causal power

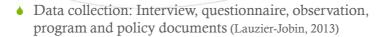
"[...] a mechanism is irreducibly a causal notion. It refers to the entities of causal process that produces the effect of interest." (Hedstrom & Ylikoski, 2010, p.50)

"Mechanisms are agents of change" (Pawson, 2013)

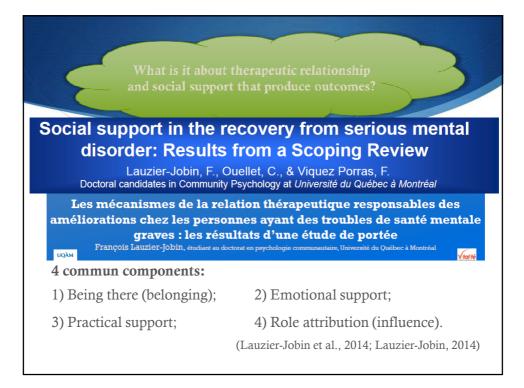
- Which outcome are we referring to?
  - Theory-driven program evaluation
  - Reviews on case management (e.g. Hospital use: admission, length of stay)
  - Psychotherapy research



## Mechanisms produce outcomes



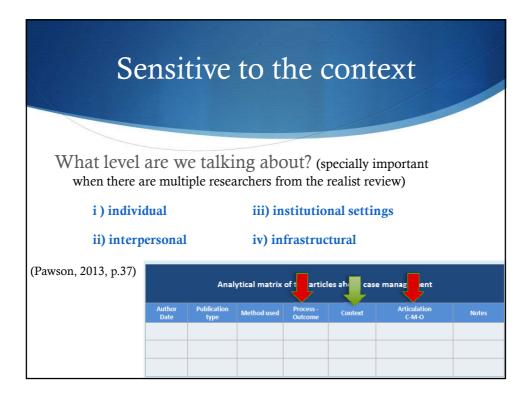
- Three strategies to reach the level of mechanism in an interview:
  - Backward thinking (Chen, 2005): start with the reached outcome, then identify what was responsible for it.
  - Start with a description of a specific example, generalize from that example.
  - Indirect questioning: "If I ask [the user], what would he tell me was the most helpful component of the intervention?"





Clues : 3) sensitive to variations in context Broad features: 2) stratified Key identifiers: 1) reflect the embeddedness of the program within the stratified nature of social reality

- Sensitive in two different ways (Henry, 2004):
  For their activation
  - For their effect
- Central role of diversity and comparison of different contexts (Maxwell, 2004)
- What is a context?
  - The context of the mechanism, not the context of the program or the context of the individual
  - The context is infinite; must identify important aspects on which a variation can be applied
  - What level are we talking about?



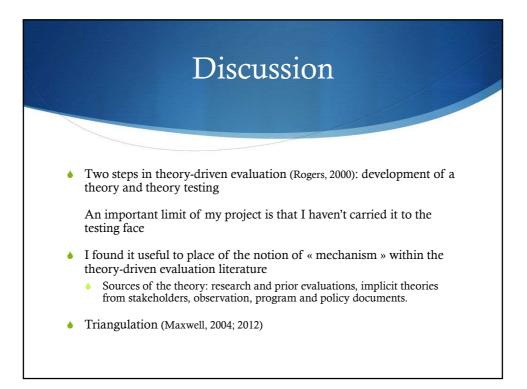
## What are mechanism made of?

Broad features: 2) ... involve both macro and micro processes Key identifiers: 2)... provide an account of how both macro and micro processes constitute the program

- What are mechanisms made of?
  - Actors' reasoning (choices) and programme's resources
  - Agency and structure
  - Processes

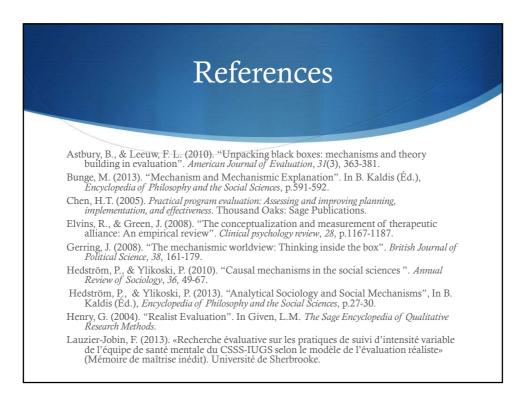
"Causual explanation, from a realist perspective, involves the development of a theory about the process being investigated, a **process** that will rarely be open to investigation" (Maxwell, 2004, p.251)

• What level? Both macro and micro processes



# Questions

- How do you describe the notion of "mechanism" to newcomers?
- What are the clues that tell you this is a mechanism?
- What are the clues that tell you this is not a mechanism?
- How do you identify the good level of abstraction?
- What strategies do you use to make mechanisms emerge?



#### References

Lauzier-Jobin, (2014). "Les mécanismes de la relation thérapeutique responsables des améliorations chez les personnes ayant des troubles de santé mentale graves : les résultats d'une étude de portée". Poster presented at the Société Québecoise pour la Recherche en Psychologie.

Lauzier-Jobin, F., Ouellet, C. & Víquez Porras, F. (accepté). «Social support in the recovery from serious mental disorder: Results from a Scoping Review ». Poster presented at the 5th International Conference on Community Psychology.

Little D. (2004), "Causal Mechanisms". In Lewis-Beck M.S., Bryman A., Futing Liao T (Éds), Encyclopedia of Social Sciences, pp. 101-102.

Maxwell, J. A. (2004). Using qualitative methods for causal explanation. *Field methods*, 16(3), 243-264.

Maxwell, J. A. (2012). A realist approach for qualitative research. Sage.

Pawson, R., & Tilley, N. (1997). *Realistic Evaluation*. Thousand Oaks : Sage Publications. Pawson, R. (2013). *The Science of Evaluation: A Realist Manifesto*. SAGE.

Rogers, P. J. (2000). « Program theory evaluation: Not whether programs work but how they work ». Dans D. L. Stufflebeam, G. F. Madaus, & T. Kellaghan (Eds.). *Evaluation models: Viewpoints on educational and human services evaluation*, Boston : Kluwer, 209-232.

Thoits, P. A. (2011). Mechanisms linking social ties and support to physical and mental health. *Journal of Health and Social Behavior*, 52(2), 145-161.

