

Série de webinaires

Réseau-1 Québec 2017-2018

**Diffuser, pérenniser et mettre à l'échelle
les innovations dans les organisations et
systèmes de santé : une revue rapide de
la littérature**

Élizabeth Côté-Boileau, MSc
1 mai 2018

Réseau-1 Québec

Yves Couturier, PhD, Directeur scientifique

Mélanie Ann Smithman, MSc, Fonction renforcement des capacités

info@reseau1quebec.ca

<http://reseau1quebec.ca/>

[@reseau1quebec.ca](https://twitter.com/reseau1quebec)



Réseau-1 Québec

Procédure pour les questions

- Vous pouvez **poser vos questions** de deux façons:

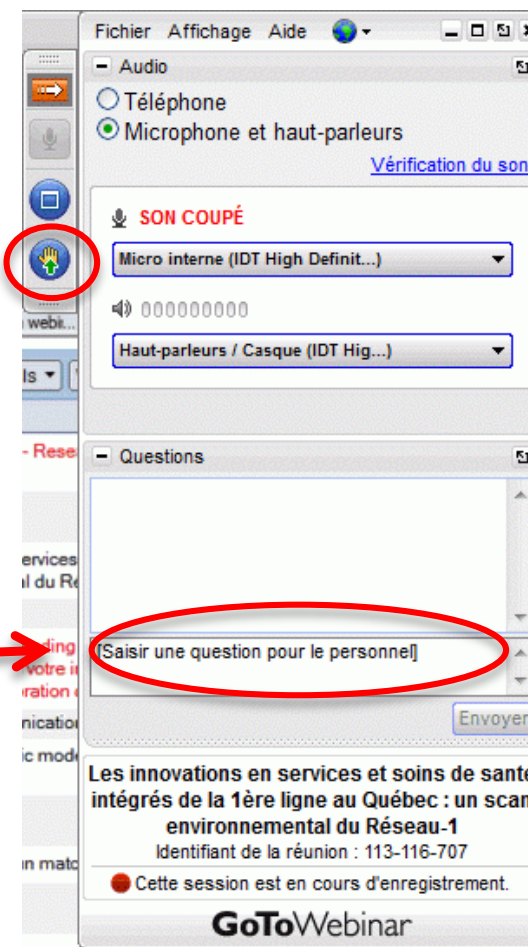
1. *Lever la main:*

Nous ouvrirons votre micro et vous inviterons à poser votre question oralement durant la période de questions.

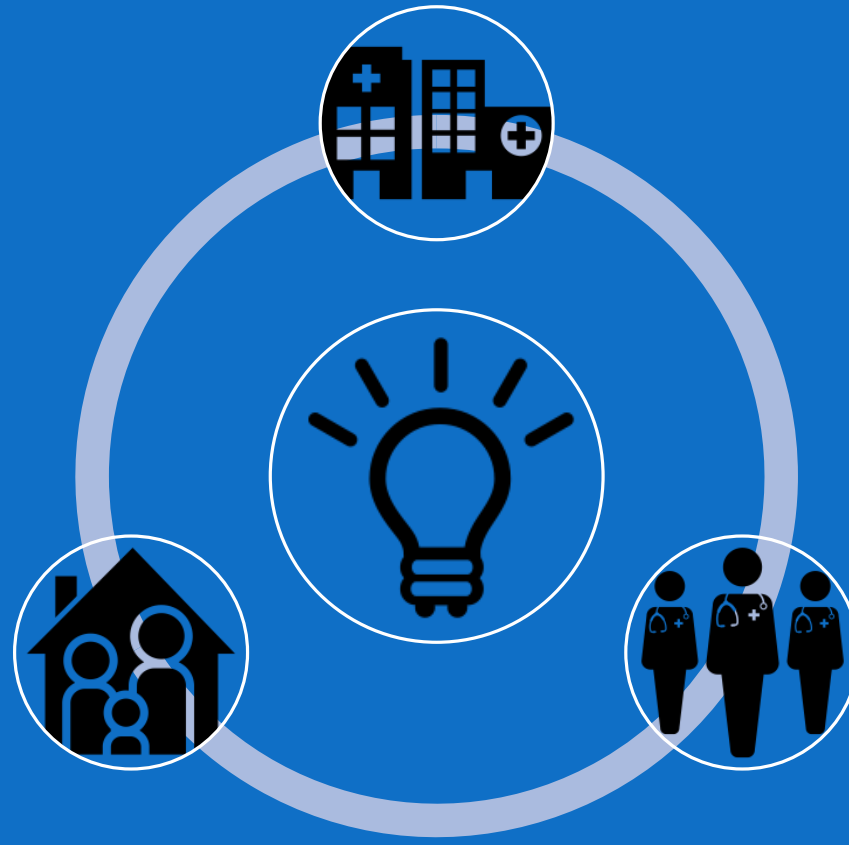
2. *Par écrit:*

Tout au long de la présentation, vous pouvez écrire une question dans la boîte (cliquer sur Questions pour l'ouvrir). Nous répondrons à votre question durant la période de questions.

- Nous ferons notre possible pour répondre à toutes vos questions.



Réseau-1 Québec



DIFFUSER, PÉRENNISER ET METTRE À L'ÉCHELLE LES INNOVATIONS
DANS LES ORGANISATIONS ET SYSTÈMES DE SANTÉ:
UNE REVUE RAPIDE DE LA LITTÉRATURE
WEBINAIRE RÉSEAU-1 QUÉBEC, 1^{ER} MAI 2018

Élizabeth Côté-Boileau, M. Sc.
Étudiante au doctorat
Recherche en sciences de la santé
Université de Sherbrooke

COLLABORATEURS & REMERCIEMENTS



Jean-Louis Denis, Ph.D., FCAHS, MRSC

Professeur titulaire

École de santé publique de l'Université de Montréal (ÉSPUM)

Titulaire de la Chaire de recherche du Canada (Tier I) sur l'adaptation et le design des systèmes de santé (IRSC 2017-2023)

Fondation canadienne d'amélioration des services de santé (FCASS)

Canadian Foundation for **Healthcare Improvement**

Fondation canadienne pour **l'amélioration des services de santé**

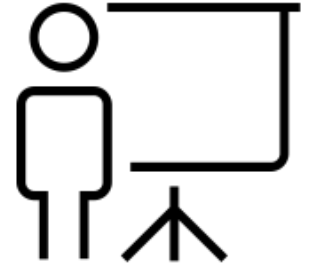
The Canadian Foundation for Healthcare Improvement is a not-for-profit organization funded by Health Canada. The views expressed herein do not necessarily represent the views of Health Canada.

DIVULGATION DE CONFLITS D'INTÉRÊTS

Nom de la présentatrice: Élisabeth Côté-Boileau

Relations avec des intérêts commerciaux: Aucun

PLAN DE PRÉSENTATION



1

- Pourquoi tant d'intérêt pour les innovations en santé?

2

- Qu'est-ce que la diffusion, la pérennisation et la mise à l'échelle des innovations?

3

- Des pistes futures pour la recherche et l'adaptation des organisations de santé?

I. POURQUOI TANT D'INTÉRÊT POUR LES INNOVATIONS EN SANTÉ?

INNOVER: UN LEVIER POUR LES SYSTÈMES DE SANTÉ



L'innovation est l'exploitation réussie de nouvelles idées ou de nouveaux produits, processus, services ou pratiques organisationnelles ou commerciales¹.

L'innovation en santé peut être de type technologique, processuelle ou sociale, et à visée préventive, curative réhabilitative, palliative, ou managériale².

« Le locus d'innovation n'est pas la firme ou les individus, mais le réseau dans lequel la firme est intégrée³ ».

L'innovation est un processus critique pour la relation entre la croissance et la performance d'une organisation^{4,5,6}.

¹Greenhalgh et al., 2005, ²Dobbins, 2002, ³Powell & Koput, 1996, ⁴Damanpour et al., 1989, ⁵Walker et al., 2010, ⁶Özsari et al., 2017.



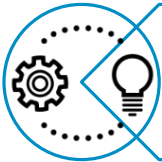
INNOVER: UN DÉFI POUR LES SYSTÈMES DE SANTÉ



« Moins de 40% des initiatives d'amélioration de la qualité des soins et services de santé réussissent à pérenniser dans le temps et à être diffusées à travers les organisations et les systèmes de santé¹ ».



L'expérience canadienne montre que les systèmes et organisations de santé ont une capacité limitée à s'adapter, innover et s'améliorer à un rythme suffisant².



Défis pour comprendre comment les innovations circulent dans des environnements hautement institutionnalisés^{3,4,5,6,7}.



Tensions ↑ impact des innovations à travers/entre les juridictions^{8,9}.



↑ Intérêt pour la diffusion, la pérennisation et la mise à l'échelle des innovations^{10,11,12,13}.



"This really is an innovative approach, but I'm afraid we can't consider it. It's never been done before."

¹HQO, 2013, p. 4, ²D. Naylor et al., 2015, ³Aher & Luoma-Aho, 2017, ⁴Atun, 2012, ⁵Fitzgerald, 2017, ⁶Herzlinger, 2006, ⁷Paina & Peters, 2012, ⁸Fitzgerald & McDermott, 2017, ⁹Nixon, Pawson, & Sosenko, 2010, ¹⁰Charif et al., 2017, ¹¹Shaw et al., 2017, ¹²Ovretveit et al., 2017, ¹³Slaghuys et al., 2016.

III. QU'EST-CE QUE LA DIFFUSION, LA PÉRÉNNISATION ET LA MISE À L'ÉCHELLE DES INNOVATIONS?



PLAN

1

- Méthodologie

2

- La théorie de la diffusion des innovations (Rogers)

3

- Définitions

4

- Mécanismes

5

- Conditions communes

I. MÉTHODOLOGIE

MÉTHODOLOGIE

SCOPING REVIEW

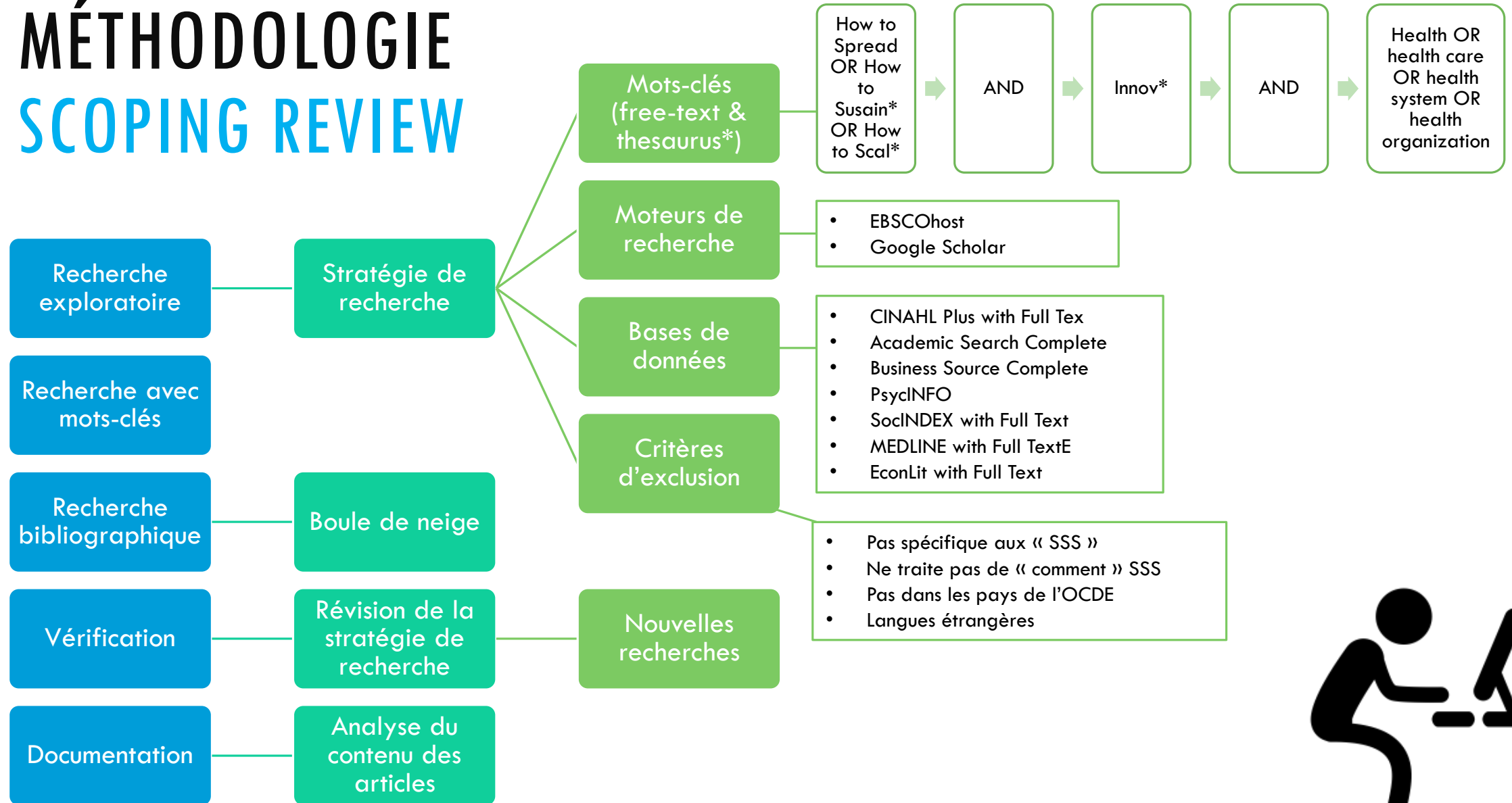


Question de recherche: Comment diffuser, pérenniser et mettre à l'échelle les innovations dans les systèmes et organisations de santé?

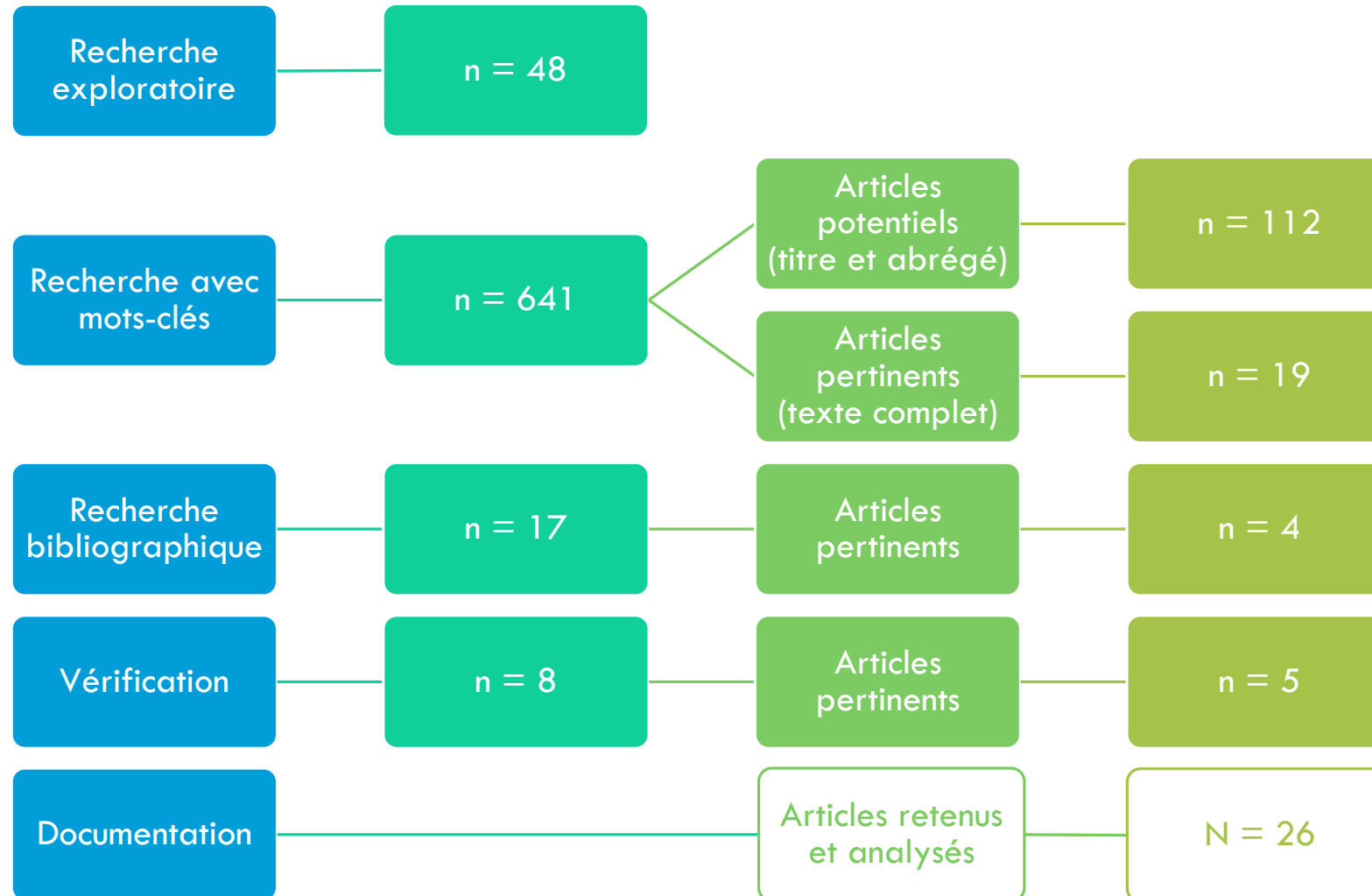
Objectifs spécifiques:

1. Définir la diffusion, la pérennisation et la mise à l'échelle des innovations dans les systèmes et organisations de santé.
2. Décrire et comprendre les mécanismes pour diffuser, pérenniser et mettre à l'échelle les innovations dans les systèmes et organisations de santé.
3. Identifier les conditions communes pour diffuser, pérenniser et mettre à l'échelle les innovations dans les systèmes et organisations de santé.

MÉTHODOLOGIE SCOPING REVIEW



MÉTHODOLOGIE SCOPING REVIEW



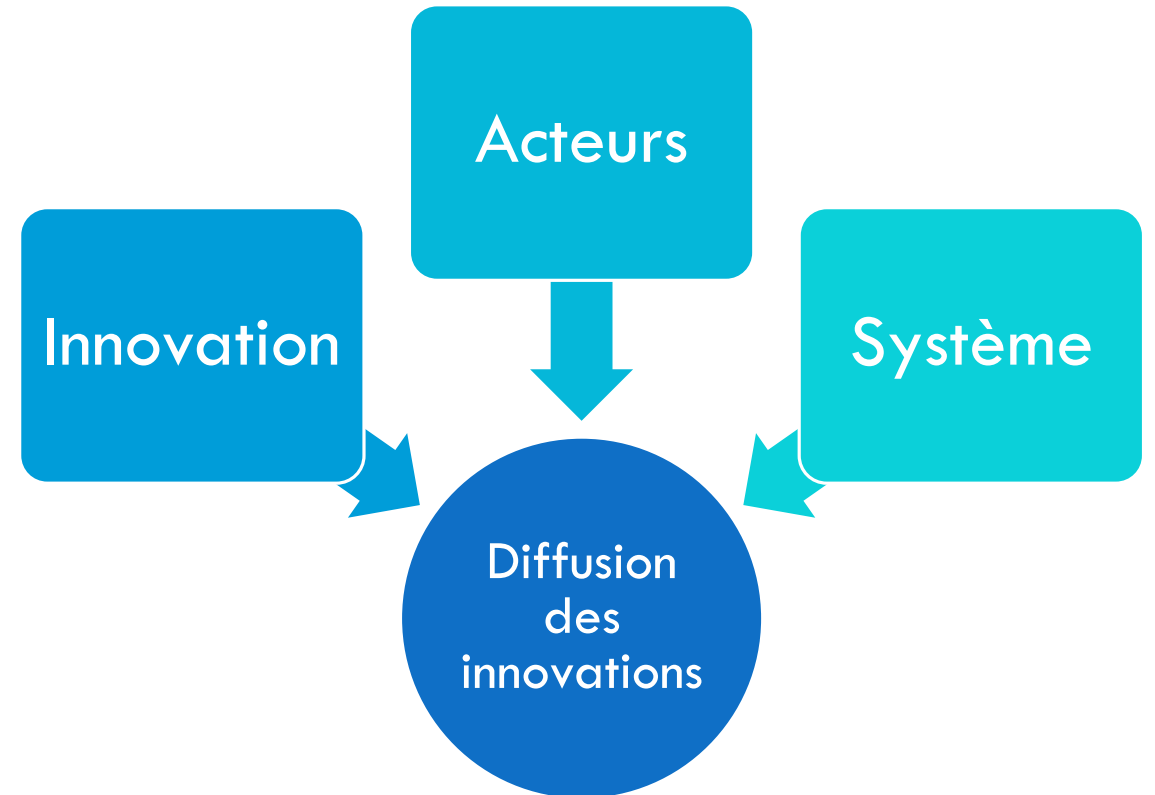
II. LA THÉORIE DE LA DIFFUSION DES INNOVATIONS (ROGERS)



LA THÉORIE DE LA DIFFUSION DES INNOVATIONS

RETOUR AUX SOURCES

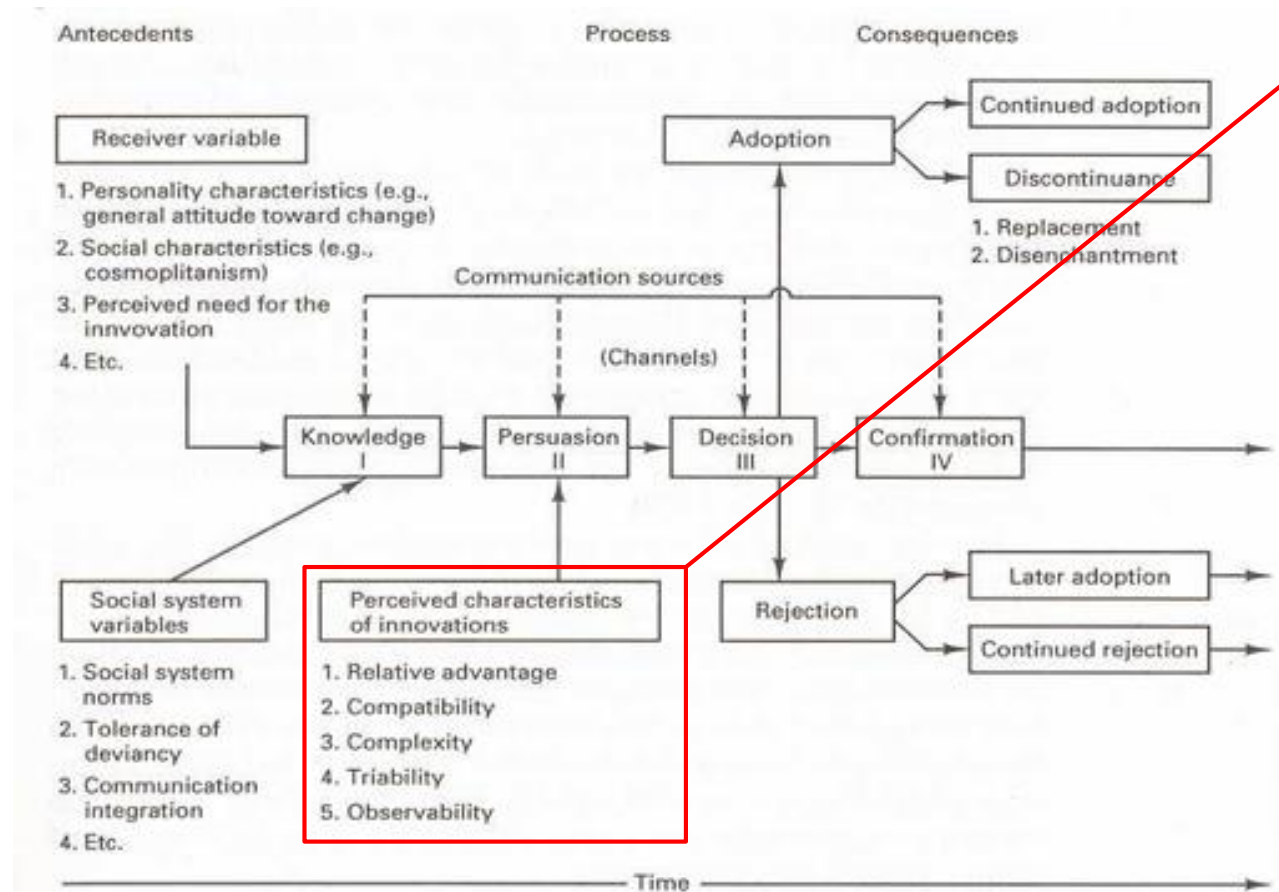
“Diffusion is essentially
a **social process**
through which
people talking to people
spread an innovation”
(Rogers, 2010, p. 10)





LA THÉORIE DE LA DIFFUSION DES INNOVATIONS

L'INNOVATION



Standard Attributes	Brief description
Relative Advantage	How clear the advantages or benefits of the innovation are in relation to the current situation.
Compatibility	Degree of compatibility of the innovation to be integrated within the potential adopters' systems.
Complexity	How simple the innovation is to use.
Triability	How easily the innovation can be experimented with by potential adopters on a trial basis.
Observability	How easily can potential adopters observe the innovation.
Re-invention	How easily can potential adopters adapt and modify the innovation to make it more suitable to their needs.

Table 1. Description of standard attributes of innovation

Operational Attributes	Brief description
Task Relevance	'Innovation is relevant to the performance of the intended user's work' ^d
Task Usefulness	'Innovation improves task performance' ^d
Feasibility	How feasible it is to adapt the innovation to the potential adopter's context.
Implementation Complexity	How easy it is to implement the innovation within the adopter's context.
Divisibility	'Innovation can be broken down into more manageable parts & adopted on an incremental basis' ^d
Nature of the knowledge required to use it	'Knowledge required for the innovation can be codified and separated from one context' ^d

Table 2. Description of operational attributes of innovation

LA THÉORIE DE LA DIFFUSION DES INNOVATIONS

LES ACTEURS

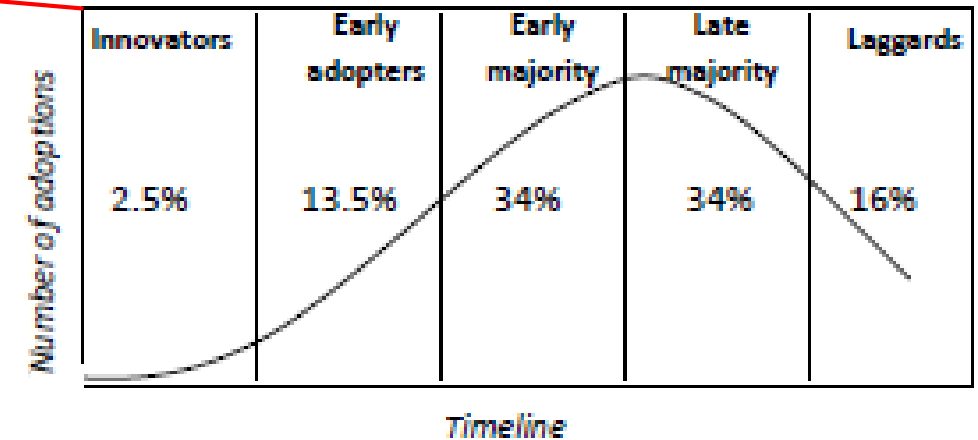
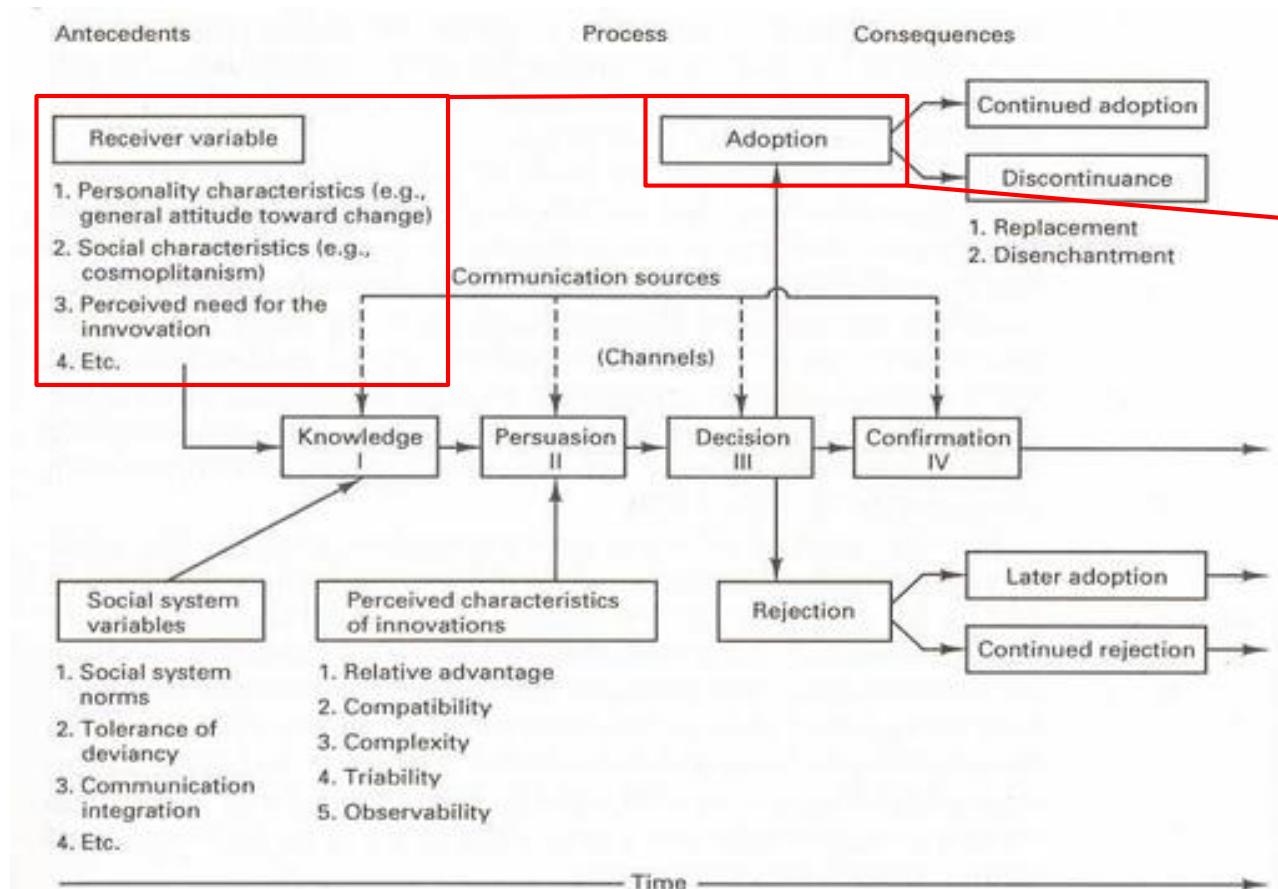
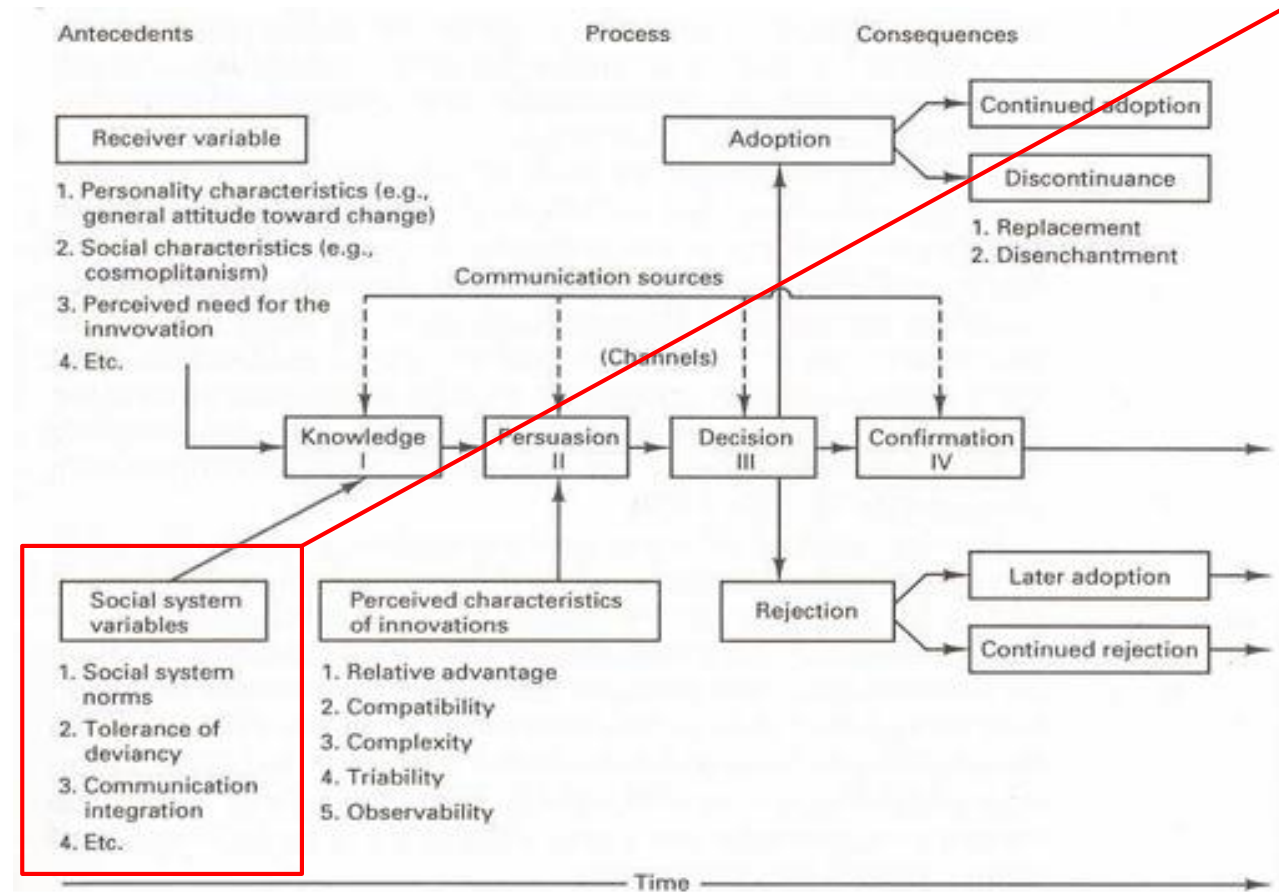


Figure 9. Rogers¹ adopter categories



LA THÉORIE DE LA DIFFUSION DES INNOVATIONS

LE SYSTÈME



8 composantes des systèmes pour favoriser la diffusion des innovations (adapté de Valente & Rogers, 1995)

- Une masse critique d'adopteurs
- ↑ contrôle de l'utilisateur sur l'innovation
- Liens structurels entre innovation & système
- Liens structurels entre innovation & sous-systèmes
- Communication entre les différentes composantes du système
- Système évolutif
- Système en contrôle sur son environnement

LA THÉORIE DE LA DIFFUSION DES INNOVATIONS

LES LIMITES



L'innovation

- L'importance de mettre l'emphase sur les propriétés émergentes des innovations et leur degré d'adaptabilité¹.



Les acteurs

- L'importance de reconnaître le pouvoir d'action des acteurs dans le cheminement de l'innovation^{2,3}.



Le système

- L'importance de porter attention au cheminement non-linéaire des innovations dans les systems sociaux^{4,5}.



III. DÉFINITIONS



DÉFINITIONS

Scale → Metre à l'échelle

Scalability¹

Expandability²

Fidelity³

Replication^{4,5}

Sustainability → Périréniser

Adoption³

Implementation⁶

Spread → Diffuser

Dissemination⁷

Diffusion^{7,8}



DÉFINITIONS

- “The **process** through which new working methods developed in one setting are **adopted**, perhaps with appropriate modifications, in other organizational contexts¹”.

Diffuser



- “The **process** through which new working methods, performance, enhancements, and continuous improvements are **maintained** for a period appropriate to a given context²”.

Pérenniser



- “The **process** of **expanding** the coverage of health interventions, but can also refer to increasing the financial, human and capital resources required to expand coverage³”.

Mettre à l'échelle





DÉFINITIONS

- Mécanismes actifs et passifs pour communiquer et implanter une innovation
- Degré d'itération entre la diffusion, la dissémination et l'adoption peu connu

Diffuser



- Résultat et levier de la diffusion et de la mise à l'échelle des innovations
- Différence entre pérennisation et implantation +/- claire
- Implantation définie temporellement vs pérennisation

Pérenniser



- Processus impliqués dans la mise à l'échelle peu connus
- Ampleur, complexité, cibles de couverture populationnelle

Mettre à l'échelle



DÉFINITIONS



Processus

- Sociaux
- Dynamiques
- Entremêlés
- Itératifs
- Contextuels
- Imprévisibles

OUTCOME

EFFORTS



IV. MÉCANISMES

MÉCANISMES



La littérature scientifique soutient qu'**il n'existe pas de mécanismes standardisés** pour diffuser, pérenniser et mettre à l'échelle les innovations dans les organisations et systèmes de santé^{1,2}.



¹Buchanan et al., 2006; ²Shaw et al., 2017

MÉCANISMES



Recommendation

1. Increase awareness of policy activity.

- 1.1 Educate health scale-up and
- 1.2 Provide professional
- 1.3 Convene an I of research, p
- 1.4 Convene a m research, prac
- 1.5 Educate the c

2. Facilitate better i

- 2.1 Synthesize ex spread practic
- 2.2 Develop and stakeholder g
- 2.3 Increase clinic Health Resour
- 2.4 Create a Cent and progress
- 2.5 Create an onl engage with

3. Develop, evaluat

- 3.1 Develop new (e.g., natural e
- 3.2 Develop new
- 3.3 Identify and s
- 3.4 Develop taxo

4. Develop and app

- 4.1 Develop, eval research and
- 4.2 Convene a pl spread in the
- 4.3 Convene con processes and strategies ope
- 4.4 Convene a pl and other cha

5. Expand capacity

- 5.1 Identify fundi credentialing,
- 5.2 Identify exper
- 5.3 Develop our programs (e.g
- 5.4 Develop non-on scale-up a
- 5.5 Convene a gr

Note. Response option: importance of recomm lowest score (i.e., lowes

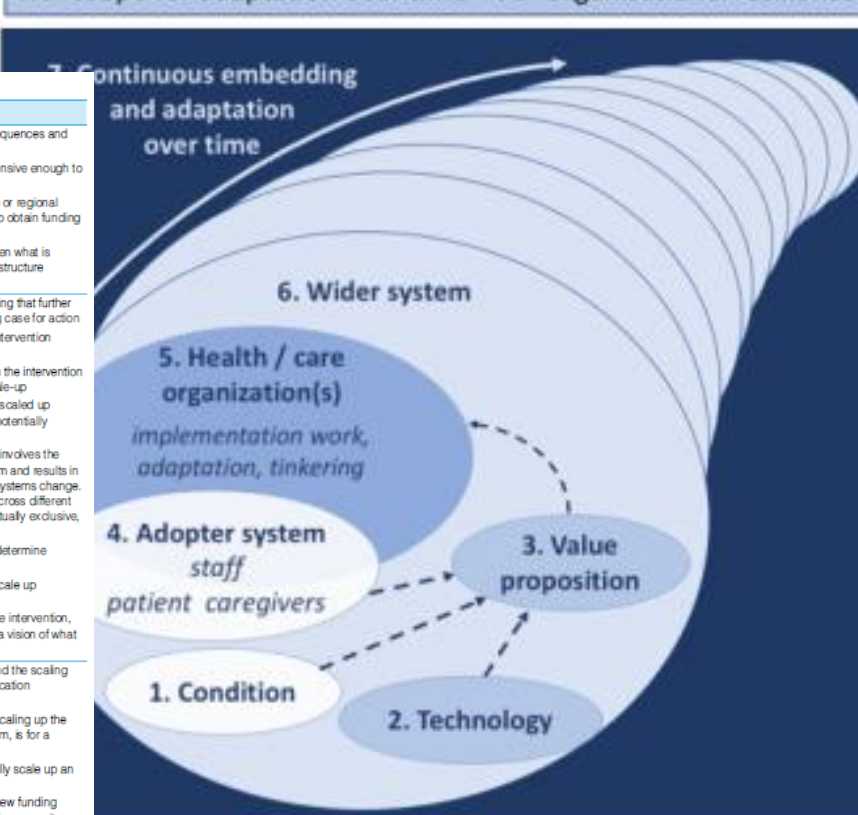
Table 1. Steps in the scaling up process

Step	Action	Description
Step 1. Scalability assessment: assess the suitability of the intervention for scaling up	1.1 Assess effectiveness 1.2 Assess potential reach and adoption 1.3 Assess alignment with the strategic context 1.4 Assess acceptability and feasibility	Determine effectiveness, intervention effect size, unintended consequences and differential effects Determine if the likely reach and adoption of the intervention is extensive enough to have a population impact Determine whether the intervention is consistent with national, state or regional policy directions. Even highly effective interventions may struggle to obtain funding if they are not aligned with the priorities of funding agencies Judge whether the intervention could realistically be scaled up, given what is known about its costs, workforce requirements, time required, infrastructure requirements and acceptability to stakeholders
Step 2. Develop a scaling up plan: outline a vision of scale-up and a compelling case for action	2.1 Document a rationale for scale-up 2.2 Describe the intervention 2.3 Complete a situational and stakeholder analysis 2.4 Determine who could be involved in scale-up and what their role will be 2.5 Select an approach to scaling up 2.6 Consider options for evaluation and monitoring 2.7 Estimate resources required for scale-up 2.8 Write up the scaling up plan	Draw up a rationale for scaling up from the information in Step 1, noting that further investigation and analysis may be necessary to provide a compelling case for action Describe 'what' will be scaled up and where possible the original intervention should be simplified and streamlined Map the social, political and organisational environment(s) in which the intervention will be scaled up and identify potential barriers and enablers to scale-up Consider who might perform key functions when the intervention is scaled up by mapping key functions and matching them to those who could potentially be involved There are two main approaches to scaling up. A vertical approach involves the introduction of an intervention simultaneously across a whole system and results in institutional change through policy, regulation, financing or health systems change. A horizontal approach involves the introduction of an intervention across different sites or groups in a phased manner. These approaches are not mutually exclusive, and a combination of approaches can be used Determine what variables are important to measure over time and determine feasibility and associated cost of these systems Estimate the human, technical and financial resources needed to scale up the intervention The plan should present a clear and concise case for scaling up the intervention, as well as an overview of how this will be brought about, including a vision of what scaling up will look like if successfully completed
Step 3. Prepare for scale-up: secure resources and build a foundation of legitimacy for the scaling up plan	3.1 Consult with stakeholders 3.2 Legitimise change 3.3 Build a constituency 3.4 Realign and mobilise resources	Assess the appropriateness and acceptability of the intervention and the scaling up plan and use this information to design advocacy and communication strategies Gain the support of decision makers who must be convinced that scaling up the intervention is a credible and superior solution to a pressing problem, is for a priority population and that it is affordable Mobilise the broader 'community of practice' required to successfully scale up an intervention Mobilise financial resources through existing channels or through new funding streams. Ensure that resources are directed to address skill and other capacity deficits in delivery organisations
Step 4. Scale up the intervention: implement the scale-up plan, making necessary adjustments based on performance data	4.1 Modify and strengthen organisations 4.2 Coordinate action and governance 4.3 Monitor performance and efficiency 4.4 Ensure sustainability	When scaling up interventions, most organisations need to adapt. Manage organisational change through processes such as staff retraining, mentoring, leadership development and coaching Develop and implement concrete and detailed agreements about how, when, where and by whom resources are to be used, and the governance structures that will be used to identify issues and resolve any disputes that may arise Develop systems that have an ongoing focus on measuring effectiveness, reach, fidelity, acceptability and costs, with a particular focus on the efficiency of intervention delivery Implement organisational and cultural changes to institutionalise an intervention so that it becomes part of routine practice

Acknowledg

7. EMBEDDING AND ADAPTATION OVER TIME

7A Scope for adaptation over time 7B Organisational resilience



1. CONDITION
Nature of condition
Illness
Comorbidities, socio-cultural influences

2. TECHNOLOGY
2A Material features
2B Type of data generated
2C Knowledge needed to use
2D Technology supply model

6. WIDER SYSTEM
6A Political / policy
6B Regulatory / legal
6C Professional
6D Socio-cultural

5. ORGANISATION
5A Capacity to innovate (leadership etc)
5B Readiness for this technology / change
5C Nature of adoption / funding decision
5D Extent of change needed to routines
5E Work needed to implement change

4. ADOPTERS
4A Staff (role, identity)
4B Patient (simple v complex input)
4C Carers (available, nature of input)

3. VALUE PROPOSITION
3A Supply-side value (to developer)
3B Demand-side value (to patient)

ation
ss

relative
mic
nt

Institutionalization
of Team
Reflection

Ke



plai

GUIDES & OUTILS PRATIQUES: LITTÉRATURE GRISE

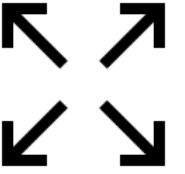


Sources	Associated process(es)	Year of publication	Jurisdiction
The Institute for Healthcare Improvement (IHI) spread framework	• Spread	2006	United States
The Clinical Excellence Commission guide on spread & sustainability	• Spread • Sustainability	2008	Australia
Formalised Informality: An action plan to spread proven health innovations	• Spread	2009	New Zealand
The Health Quality Ontario (HQO) framework	• Spread	2013	Canada
A guide on spread and sustainability (NHSScotland Quality Improvement Hub)	• Spread • Sustainability	2013	Scotland
The National Health Service (NHS) Institute for innovation and improvement sustainability model	• Sustainability	2013	United Kingdom
The spread and sustainability of quality improvement in healthcare: a resource to increase understanding of the 10 key factors underpinning successful spread and sustainability of quality improvement in NHSScotland (NHSScotland Quality Improvement Hub)	• Spread • Sustainability	2014	Scotland
The Canadian Foundation for Healthcare Improvement Spread plan	• Spread	2014	Canada
Making it big: strategies for scaling social innovations (Gabriel, 2014)	• Scale-up	2014	United Kingdom
The spread and sustainability of quality improvement in healthcare: a practical insight into spreading and sustaining change in an acute clinical setting (NHSScotland Quality Improvement Hub)	• Spread • Sustainability	2015	Scotland
What Works Scotland: Scaling-up innovations	• Scale-up	2015	Scotland
The Highly Adoptable Improvement Model (Hayes, under review)	• Sustainability	<i>Under review</i>	Canada
Unleashing innovation : Excellent Healthcare for Canada - Report of the Advisory Panel on Healthcare Innovation (Naylor, D., Girard, F., Mintz, J., Fraser, N., Jenkins, T., & Power, C., 2015).	• Spread • Scale-up	2015	Canada
Quality Improvement in Healthcare (The King's Fund, Ross & Naylor, 2017)	• Sustainability	2017	United Kingdom

GUIDES & OUTILS PRATIQUES: LITTÉRATURE SCIENTIFIQUE



Sources	Study design	Associated process(es)	Year of publication
Greenhalgh, T., Robert, G., Macfarlane, F., Bate, P., & Kyriakidou, O. (2004). Diffusion of innovations in service organizations: systematic review and recommendations. <i>Milbank Quarterly</i> , 82(4), 581-629.	Systematic review	• Spread • Sustainability	2004
Ferlie, E., Fitzgerald, L., Wood, M., & Hawkins, C. (2005). The nonspread of innovations: the mediating role of professionals. <i>Academy of management journal</i> , 48(1), 117-134.	Qualitative comparative case study	• Spread	2005
Buchanan, D. A., Fitzgerald, L., & Ketley, D. (Eds.). (2007). <i>The sustainability and spread of organizational change: Modernizing healthcare</i> . Routledge.	Book	• Spread • Sustainability	2007
An organizational framework and strategic implementation for system-level change to enhance research-based practice: QUERI Series (Stetler, McQueen, Demakis & Mittman, 2008)	Qualitative descriptive study	• Sustainability • Scale	2008
A framework and a measurement instrument for sustainability of work practices in long-term care (Slaghuis, A., MH Starting MH, M., A Bal, R., P Nieboer, A., 2011)	Mixed-Method study	• Sustainability	2011
Norton, W. E., McCannon, C. J., Schall, M. W., & Mittman, B. S. (2012). A stakeholder-driven agenda for advancing the science and practice of scale-up and spread in health. <i>Implementation Science</i> , 7(1), 118.	Quantitative survey	• Scale	2012
Kaplan, H.C., Provost, L.P., Froehle, C.M., et al. (2012). The Model for Understanding Success in Quality (MUSIQ): building a theory of context in healthcare quality improvement. <i>BMJ Qual Saf</i> 21: 13-20.	Qualitative descriptive research	• Spread • Sustainability • Scale	2012
Lanham, H. J., Leykum, L. K., Taylor, B. S., McCannon, C. J., Lindberg, C., & Lester, R. T. (2013). How complexity science can inform scale-up and spread in health care: understanding the role of self-organization in variation across local contexts. <i>Social Science & Medicine</i> , 93, 194-202.	Case study	• Scale	2013
Ploeg, J., Markle-Reid, M., Davies, B., Higuchi, K., Gifford, W., Bajnok, McConnel, H., Plenderleith, J., Foster, S., & Bookey-Bassett, S. (2014). Spreading and sustaining best practices for home care of older adults: a grounded theory study. <i>Implementation Science</i> , 9(1), 162.	Qualitative grounded theory	• Spread	2014
Brewster, A. L., Curry, L. A., Cherlin, E. J., Talbert-Slagle, K., Horwitz, L. I., & Bradley, E. H. (2015). Integrating new practices: a qualitative study of how hospital innovations become routine. <i>Implementation Science</i> , 10(1), 168.	Qualitative multiple case study	• Sustainability	2015
Milat, A. J., Bauman, A., & Redman, S. (2015). Narrative review of models and success factors for scaling up public health interventions. <i>Implementation Science</i> , 10(1), 113.	Narrative review	• Scale	2015
Milat, A. J., Newson, R., King, L., Rissel, C., Wolfenden, L., Bauman, A., ... & Giffin, M. (2016). A guide to scaling up population health interventions. <i>Public Health Res Pract</i> , 26(1), e2611604.	Systematic review	• Scale	2016
Birken, S. A., Lee, S. Y. D., Weiner, B. J., Chin, M. H., & Schaefer, C. T. (2013). Improving the effectiveness of health care innovation implementation: middle managers as change agents. <i>Medical Care Research and Review</i> , 70(1), 29-45.	Quantitative survey	• Sustainability	2016
Gupta, A., Thorpe, C., Bhattacharyya, O., & Zwarenstein, M. (2016). Promoting development and uptake of health innovations: The Nose to Tail Tool. <i>F1000Research</i> , 5.	Scoping review	• Scale	2016
Greenhalgh, T., Wherton, J., Papoutsis, C., Lynch, J., Hughes, G., A'Court, C., ... & Shaw, S. (2017). Beyond adoption: a new framework for theorizing and evaluating nonadoption, abandonment, and challenges to the scale-up, spread, and sustainability of health and care technologies. <i>Journal of medical Internet research</i> , 19(11).	Systematic review & case studies	• Spread • Sustainability • Scale	2017



MÉCANISMES

DIFFUSER LES INNOVATIONS

“The management of spread, and the avoidance of containment, depends on context. While it is possible to offer general guidelines on how the spread narrative can be managed, that advice has to be **translated into tailored action informed by local knowledge and judgement**. Two of the most significant issues concern the substance of the changes and the time frame over which spread can be expected to happen” (Buchanan et al., 2006, p. 260).



MÉCANISMES PÉRENNISER LES INNOVATIONS

“Managing sustainability can be regarded as maintaining the narrative, **keeping the storyline going**, preventing sub-plots and diversions from taking over”
(Buchanan et al., 2006, p. 254).

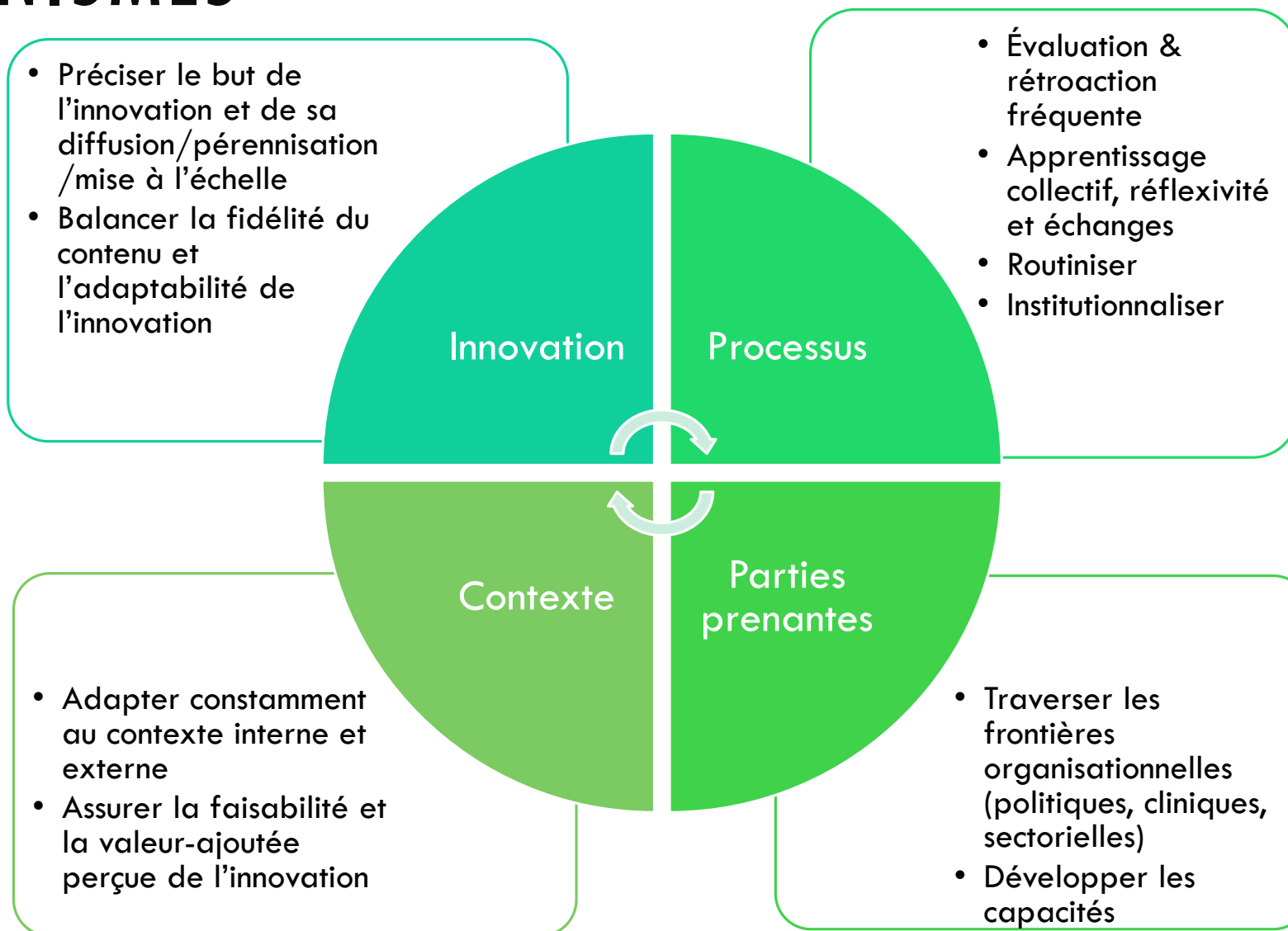


MÉCANISMES

METTRE À L'ÉCHELLE LES INNOVATIONS

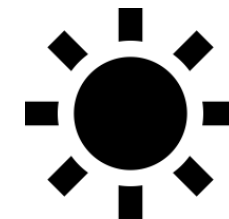
“Much of the evidence warns of assuming an innovation is worthy of dissemination simply because it is ‘new’, **a warning akin to Rogers’ ‘pro-innovation bias’** in which an innovation’s weaknesses or limits may not be recognized simply because of its status as an innovation (2003) ... **when thinking about the scaling-up of innovations, it is essential to balance insights** derived from studying ‘hard’ components (success metrics, commissioning plans) alongside the ‘soft’ components, as the historical, economic, socio-cultural, and interpersonal influences that gave rise to them”
(Greenhalgh et al., 2012 in WWS, 2015, p. 17).

MÉCANISMES



V. CONDITIONS COMMUNES

CONDITIONS COMMUNES FACILITATEURS



Innovation
faisable &
adaptable



Leadership
partagé



Réciprocité



Culture
d'innovation



Échéancier
réaliste

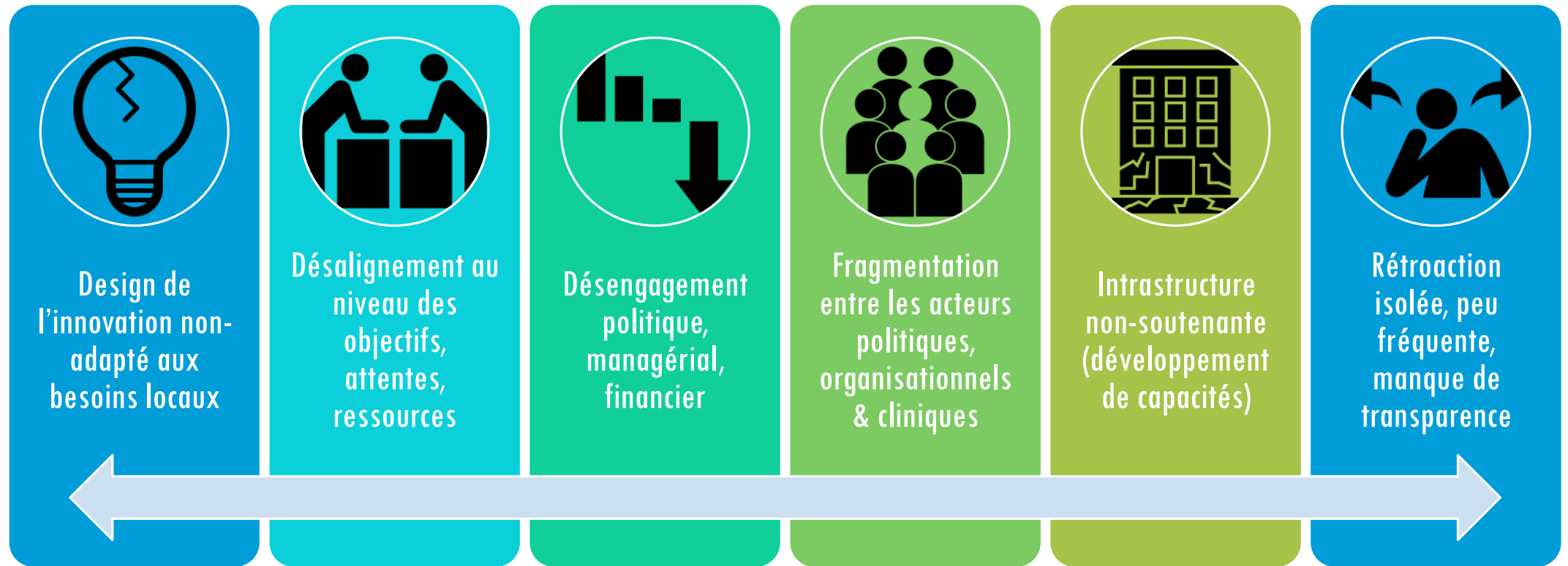


Contexte
réceptif &
absorbant





CONDITIONS COMMUNES BARRIÈRES



III. DES PISTES POUR LA RECHERCHE ET L'ADAPTATION DES ORGANISATIONS DE SANTÉ?

DES QUESTIONS QUI RESTENT ... ?



1. Retour aux sources: le temps d'un renouvellement théorique de la diffusion des innovations?
2. Est-ce que la diffusion, la pérennité et la mise à l'échelle des innovations peuvent s'actualiser empiriquement de manière indépendante?
3. Est-ce que les barrières et facilitateurs à ces processus sont le « miroir » les uns des autres?
4. Comment est-ce que le cheminement de l'innovation (diffuser, pérenniser, mettre à l'échelle) diffère lorsqu'il s'agit d'une initiative « bottom-up » vs « top-down »; voire hybridée?
5. Quelles sont les capacités organisationnelles et systémiques requises pour actualiser ces processus?
6. Quel est le rôle et l'influence de la profession médicale, des patients et des citoyens à travers ces processus?
7. Quels sont les effets « inattendus/collatéraux » qui émergent de la mobilisation de ces processus?
 - ✓ Est-ce que ces processus favorisent l'*empowerment* des professionnels, des patients et des communautés?
 - ✓ Est-ce que ces processus constituent des parcours qui génèrent d'eux-mêmes des fenêtres d'innovation?



PISTES POUR DE FUTURES RECHERCHES

Revue et/ou évaluations réalistes

- Comprendre quoi fonctionne, pour qui et dans quel contexte^{1,2}.

Perspective des théories de la traduction

- Comprendre comment les innovations se traduisent en pratiques à travers les frontières organisationnelles, juridictionnelles et temporelles^{3 à 10}.

Perspective des théories institutionnelles

- Comprendre comment les acteurs parviennent à créer, diffuser, pérenniser et/ou mettre à l'échelle des innovations dans des organisations hautement institutionnalisées, que sont les systèmes de santé (*embedded agency*)^{11,12,13,14}.

Perspectives des « Learning Health Systems »

- Explorer les capacités requises pour capitaliser sur les évidences partagées à l'intérieur et entre les organisations et systèmes de santé, pour générer des dynamiques d'innovation à grande échelle^{15,16}.

¹Pawson & Tilley, 1997, ²Kirsh, 2017, ³Serres, 1982, ⁴Latour, 1986, ⁵Czarniawska & Sevón, 2005, ⁶Waeraas & Nielsen, 2016, ⁷Teulier & Rouleau, 2013, ⁸Ferlie et al., 2005, ⁹Nicolini, 2011, ¹⁰Nicolini, 2016, ¹¹Garud, Hardy & Maguire, 2007, ¹²Zietsma & Lawrence, 2010, ¹³Cloutier et al., 2015, ¹⁴Fleiszer et al., 2015, ¹⁵Dougherty & Dunne, 2011, ¹⁶Friedman & et al., 2017

PISTES POUR LES ORGANISATIONS DE SANTÉ



Les innovations ont plusieurs significations

- Focus: « pourquoi »



Innover est demandant pour les individus, les communautés et les organisations

- Focus: valeur-perçue et faisabilité



Le rythme du parcours des innovations est déterminant

- Focus: ce que les individus font, plutôt que ce qu'ils sont attendus de faire



Le parcours des innovations comme un processus social

- Focus: dialogue entre les niveaux politiques, cliniques et inter-sectoriels du système



Le parcours des innovations comme un processus politique

- Focus: capacités de gouvernance inclusives et distribuées (mix *top-down* & *bottom-up*)

CONCLUSION



MERCI DE VOTRE ATTENTION

elizabeth-cboileau@live.com

Questions?



elizabeth-cboileau@live.com

RÉFÉRENCES

1. Aher, K., & Luoma-Aho, V. (2017). Contextualising Change in Public Sector Organisations *How Strategic Communication Shapes Value and Innovation in Society* (pp. 23-35): Emerald Publishing Limited.
2. Atun, R. (2012). Health systems, systems thinking and innovation. *Health Policy and Planning*, 27(suppl 4), iv4-iv8.
3. Birken, S. A., DiMartino, L. D., Kirk, M. A., Lee, S. Y. D., McClelland, M., & Albert, N. M. (2016). Elaborating on theory with middle managers' experience implementing healthcare innovations in practice. *Implementation Science*, 11(1), 2.
4. Booth, A., Sutton, A., & Papaioannou, D. (2016). Systematic approaches to a successful literature review. Sage.
5. Brewster, A. L., Curry, L. A., Cherlin, E. J., Talbert-Slagle, K., Horwitz, L. I., & Bradley, E. H. (2015). Integrating new practices: a qualitative study of how hospital innovations become routine. *Implementation Science*, 10(1), 168.
6. Buchanan, D. A., Fitzgerald, L., & Ketley, D. (2006). *The sustainability and spread of organizational change: Modernizing healthcare*: Routledge.
7. Card, J. J., Solomon, J., & Cunningham, S. D. (2011). How to adapt effective programs for use in new contexts. *Health promotion practice*, 12(1), 25-35.
8. Charif, A. B., Zomahoun, H. T. V., LeBlanc, A., Langlois, L., Wolfenden, L., Yoong, S. L., . . . Légaré, F. (2017). Effective strategies for scaling up evidence-based practices in primary care: a systematic review. *Implementation Science*, 12(1), 139.
9. Clinical Excellence Commission (CEC), *Enhancing Project Spread and Sustainability – A companion to the 'Easy Guide to Clinical Practice Improvement'*. Sydney: CEC
10. Cloutier, C., Denis, J. L., Langley, A., & Lamothe, L. (2016). Agency at the managerial interface: Public sector reform as institutional work. *Journal of Public Administration Research and Theory*, 26(2), 259-276.
11. Czarniawska, B., & Sevón, G. (Eds.). (1996). Translating organizational change (Vol. 56). Walter de Gruyter.

RÉFÉRENCES

12. Damanpour, F., Szabat, K. A., & Evan, W. M. (1989). The relationship between types of innovation and organizational performance. *Journal of Management studies*, 26(6), 587-602.
13. DENIS, J. L. (2018). Pathways to transformation in publicly-funded health systems: Experience in Canada's provinces. *Canadian success stories on health and social care*, 11.
14. Dobbins, M., Ciliska, D., Cockerill, R., Barnsley, J., & DiCenso, A. (2002). A framework for the dissemination and utilization of research for health-care policy and practice. *Worldviews on Evidence-Based Nursing*, 9(1), 149-160.
15. Dougherty, D., & Dunne, D. D. (2011). Organizing ecologies of complex innovation. *Organization Science*, 22(5), 1214-1223.
16. Ferlie, E., Fitzgerald, L., Wood, M., & Hawkins, C. (2005). The nonspread of innovations: the mediating role of professionals. *Academy of management journal*, 48(1), 117-134.
17. Fitzgerald, L. (2017). The 2 Diffusion of Innovations. *Challenging Perspectives on Organizational Change in Health Care*, 31.
18. Fleiszer, A. R., Semenic, S. E., Ritchie, J. A., Richer, M. C., & Denis, J. L. (2015). The sustainability of healthcare innovations: a concept analysis. *Journal of advanced nursing*, 71(7), 1484-1498.
19. Friedman, C. P., Allee, N. J., Delaney, B. C., Flynn, A. J., Silverstein, J. C., Sullivan, K., & Young, K. A. (2017). The science of Learning Health Systems: Foundations for a new journal. *Learning Health Systems*, 1(1).
20. Gabriel, M. (2014). *Making it Big: Strategies for scaling social innovations*. London: Nesta. See: <http://www.nesta.org.uk/publications/making-it-big-strategies-scaling-social-innovations>.
21. Garud, R., Hardy, C., & Maguire, S. (2007). Institutional entrepreneurship as embedded agency: An introduction to the special issue.
22. Greenhalgh, T., Robert, G., Macfarlane, F., Bate, P., & Kyriakidou, O. (2004). Diffusion of innovations in service organizations: systematic review and recommendations. *Milbank Quarterly*, 82(4), 581-629.

RÉFÉRENCES

23. Greenhalgh, T., Robert, G., Macfarlane, F., Bate, P., Kyriakidou, O., & Peacock, R. (2005). Storylines of research in diffusion of innovation: a meta-narrative approach to systematic review. *Social science & medicine*, 61(2), 417-430.
24. Greenhalgh, T., Macfarlane, F., BARTON-SWEENEY, C. A. T. H. E. R. I. N. E., & Woodard, F. (2012). "If We Build It, Will It Stay?" A Case Study of the Sustainability of Whole-System Change in London. *The Milbank Quarterly*, 90(3), 516-547.
25. Greenhalgh, T., Wherton, J., Papoutsi, C., Lynch, J., Hughes, G., A'Court, C., ... & Shaw, S. (2017). Beyond adoption: a new framework for theorizing and evaluating nonadoption, abandonment, and challenges to the scale-up, spread, and sustainability of health and care technologies. *Journal of medical Internet research*, 19(11).
26. Gupta, A., Thorpe, C., Bhattacharyya, O., & Zwarenstein, M. (2016). Promoting development and uptake of health innovations: The Nose to Tail Tool. *F1000Research*, 5.
27. Health Quality Ontario. (2013). *Quality Improvement Primers: Spread Primer*. Queens: Health Quality Ontario.
28. Healthcare Improvement Scotland (2013). *Guide on spread and sustainability*.
29. Healthcare Improvement Scotland (2014). *THE SPREAD AND SUSTAINABILITY OF QUALITY IMPROVEMENT IN HEALTHCARE: A resource to increase understanding of the 10 key factors underpinning successful spread and sustainability of quality improvement in NHSScotland*.
30. Healthcare Improvement Scotland. (2015). *THE SPREAD AND SUSTAINABILITY OF QUALITY IMPROVEMENT IN HEALTHCARE - A practical insight into spreading and sustaining change in an acute clinical setting*.
31. Hayes, The Highly Adoptable Improvement Model, under review.
32. Herzlinger, R. E. (2006). Why innovation in health care is so hard. *Harvard business review*, 84(5), 58.
33. Kaplan, H. C., Provost, L. P., Froehle, C. M., & Margolis, P. A. (2011). The Model for Understanding Success in Quality (MUSIQ): building a theory of context in healthcare quality improvement. *Quality and Safety in Health Care*, bmjqs-2011-000010.

RÉFÉRENCES

34. Kirsh, S. R., Aron, D. C., Johnson, K. D., Santurri, L. E., Stevenson, L. D., Jones, K. R., & Jagosh, J. (2017). A realist review of shared medical appointments: How, for whom, and under what circumstances do they work?. *BMC health services research*, 17(1), 113.
35. Lanham, H. J., Leykum, L. K., Taylor, B. S., McCannon, C. J., Lindberg, C., & Lester, R. T. (2013). How complexity science can inform scale-up and spread in health care: understanding the role of self-organization in variation across local contexts. *Social science & medicine*, 93, 194-202.
36. Latour, B. (1986). 'The powers of association'. In: J. Law (ed.) *Power, action and belief*. London: Routledge.
37. Lomas J. 2007. *Formalised Informality: An action plan to spread proven health innovations*. Wellington: Ministry of Health.
38. Mangham, L. J., & Hanson, K. (2010). Scaling up in international health: what are the key issues? *Health Policy and Planning*, 25(2), 85-96.
39. Massoud, M. R., Nielsen, G. A., Nolan, K., Schall, M. W., & Sevin, C. (2006). A framework for spread: from local improvements to system-wide change. IHI innovation series white paper. Cambridge, MA: Institute for Healthcare Improvement.
40. Milat, A. J., Bauman, A., & Redman, S. (2015). Narrative review of models and success factors for scaling up public health interventions. *Implementation Science*, 10(1), 113.
41. Milat, A. J., Newson, R., King, L., Rissel, C., Wolfenden, L., Bauman, A., ... & Giffin, M. (2016). A guide to scaling up population health interventions. *Public Health Res Pract*, 26(1), e2611604.
42. NHS, Institute for Innovation and Improvement (2013). Sustainability Model and guide. Available at: http://www.qihub.scot.nhs.uk/media/162236/sustainability_model.pdf
43. Naylor, D., Girard, F., Mintz, J., Fraser, N., Jenkins, T., & Power, C. (2015). *Unleashing innovation: excellent healthcare for canada*. Report of the Advisory Panel on Healthcare Innovation.
44. Nicolini, D. (2011). 'Practice as the site of knowing: Insights from the field of telemedicine', *Organization Science*, 22, pp. 602-620.
45. Nicolini, D., Delmestri, G., Goodrick, E., Reay, T., Lindberg, K., & Adolfsson, P. (2016). Look What's Back! Institutional Complexity, Reversibility and the Knotting of Logics. *British Journal of Management*.

RÉFÉRENCES

45. Nixon, J., Pawson, H., & Sosenko, F. (2010). Rolling Out Anti-social Behaviour Families Projects in England and Scotland: Analysing the Rhetoric and Practice of Policy Transfer. *Social Policy & Administration*, 44(3), 305-325.
46. Norton, W. E., McCannon, C. J., Schall, M. W., & Mittman, B. S. (2012). A stakeholder-driven agenda for advancing the science and practice of scale-up and spread in health. *Implementation Science*, 7(1), 1.
47. Øvretveit, J., Garofalo, L., & Mittman, B. (2017). Scaling up improvements more quickly and effectively. *International Journal for Quality in Health Care*, 29(8), 1014-1019.
48. Özsarı, H., Çimen, M., Deniz, S., & Şeker, M. (2017). THE RELATIONSHIP BETWEEN INNOVATIVENESS AND ORGANIZATIONAL PERFORMANCE PERCEIVED BY HEALTHCARE MANAGERS: A STUDY IN A HEALTHCARE GROUP. *International Journal of Health Management and Tourism*, 2(3), 44-52.
49. Paina, L., & Peters, D. H. (2012). Understanding pathways for scaling up health services through the lens of complex adaptive systems. *Health Policy and Planning*, 27(5), 365-373.
50. Patton, M. (1978). *The Methodology Dragon: Alternative Paradigms Of Evaluation Measurement And Design In Utilization-Focused Evaluation*.
51. Pawson, R., & Tilley, N. (1997). *Realistic evaluation*. Sage.
52. Ploeg, J., Markle-Reid, M., Davies, B., Higuchi, K., Gifford, W., Bajnok, I., McConnell, H., Plenderleith, J., Foster, S. & Bookey-Bassett, S. (2014). Spreading and sustaining best practices for home care of older adults: a grounded theory study. *Implementation Science*, 9(1), 162.
53. Powell, W. W., Koput, K. W., & Smith-Doerr, L. (1996). Interorganizational collaboration and the locus of innovation: Networks of learning in biotechnology. *Administrative science quarterly*, 116-145.
54. Rogers Everett, M. (1995). *Diffusion of innovations*. New York, 12.
55. Rogers, E. M., Medina, U. E., Rivera, M. A., & Wiley, C. J. (2005). Complex adaptive systems and the diffusion of innovations. *The Innovation Journal: The Public Sector Innovation Journal*, 10(3), 1-26.

RÉFÉRENCES

- 56. Rogers, E. M. (2010). *Diffusion of innovations*. Simon and Schuster.
- 57. Serres, M. (1982). *Hermes: Literature, science, philosophy*, Johns Hopkins University Press, Baltimore, MD.
- 58. Shaw, J., Shaw, S., Wherton, J., Hughes, G., & Greenhalgh, T. (2017). Studying scale-up and spread as social practice: theoretical introduction and empirical case study. *Journal of medical Internet research*, 19(7).
- 59. Slaghuis, S. (2016). *Riding The Waves Of Quality Improvement: Sustainability and spread in a Dutch quality improvement program for long-term care*. Erasmus MC: University Medical Center Rotterdam.
- 60. Slaghuis, S. S., Strating, M. M., Bal, R. A., & Nieboer, A. P. (2011). A framework and a measurement instrument for sustainability of work practices in long-term care. *BMC health services research*, 11(1), 314.
- 61. Teulier, R., & Rouleau, L. (2013). Middle managers' sensemaking and interorganizational change initiation: Translation spaces and editing practices. *Journal of Change Management*, 13(3), 308-337.
- 62. Van de Ven, A. H., & Rogers, E. M. (1988). Innovations and organizations: Critical perspectives. *Communication research*, 15(5), 632-651.
- 63. Van de Ven, A., Polley, D., Garud, R., & Venkataraman, S. 1999. *The innovation journey*. Oxford, England: Oxford University Press.
- 64. Wæraas, A., & Nielsen, J. A. (2016). Translation theory 'translated': Three perspectives on translation in organizational research. *International Journal of Management Reviews*.
- 65. Walker, R. M., Damanpour, F., & Devece, C. A. (2010). Management innovation and organizational performance: The mediating effect of performance management. *Journal of Public Administration Research and Theory*, 21(2), 367-386.
- 66. What Works Scotland (2015). *Evidence review: scaling-up innovations*.
- 67. Zietsma, C., & Lawrence, T. B. (2010). Institutional work in the transformation of an organizational field: The interplay of boundary work and practice work. *Administrative Science Quarterly*, 55(2), 189-221.

Procédure pour les questions

- Vous pouvez **poser vos questions** de deux façons:

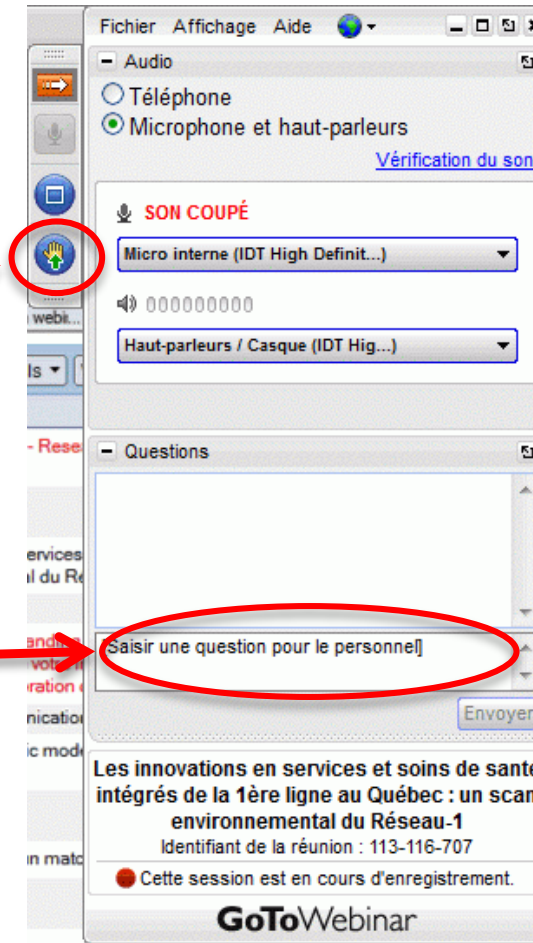
1. **Lever la main:**

Nous ouvrirons votre micro et vous inviterons à poser votre question oralement durant la période de questions.

2. **Par écrit:**

Tout au long de la présentation, vous pouvez écrire une question dans la boîte (cliquer sur Questions pour l'ouvrir). Nous répondrons à votre question durant la période de questions.

- Nous ferons notre possible pour répondre à toutes vos questions.



Réseau-1 Québec

À venir...

- **Prochain webinaire** : 11 mai 2018 par Maman Joyce Dogba: « Les ateliers délibératifs, un moyen d'impliquer des gestionnaires dans la recherche axée sur le patient »
- Tous nos webinaires sont accrédités et disponibles sur Youtube
- La prochaine journée scientifique aura lieu le 15 juin à l'Université Laval, inscrivez-vous!
<http://reseau1quebec.ca/journee-scientifique-2018/>
- La date limite pour soumettre un résumé d'affiche pour la journée scientifique est le 2 mai, faites vite! <http://reseau1quebec.ca/journee-scientifique-2018/>
- Devenez membres du Réseau-1 Québec: <http://reseau1quebec.ca/membres-et-partenaires/membres/>
- Pour toute question sur le webinaire, vous pouvez contacter Sabrina Guay-Bélanger (sabrina.guay-belanger.ciussscn@ssss.gouv.qc.ca) ou Mélanie Ann Smithman (Melanie.Ann.Smithman@USherbrooke.ca)
- Si vous avez des idées pour des webinaires à venir, contactez-nous: info@reseau1quebec.ca



Réseau-1 Québec