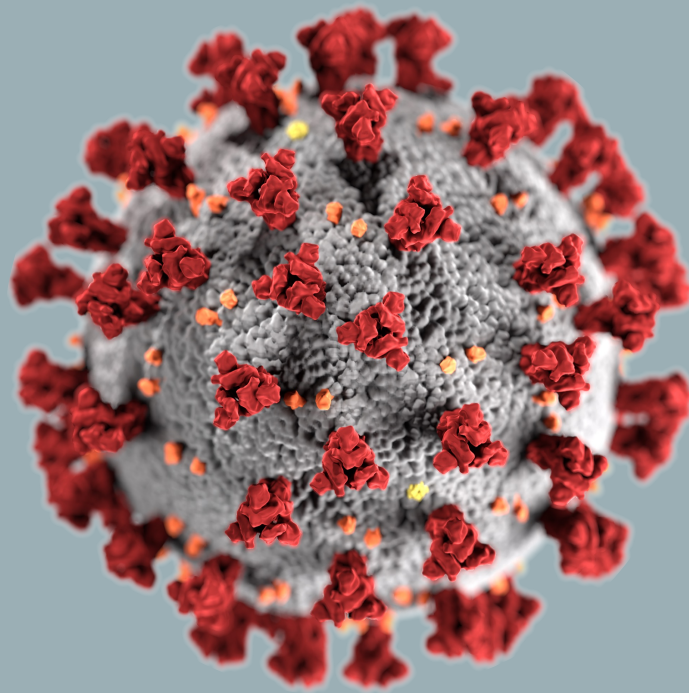


Simulation en santé  
et innovation pédagogique

# **Télésimulation**

M. Mouhaoui

## **Aspects théoriques**



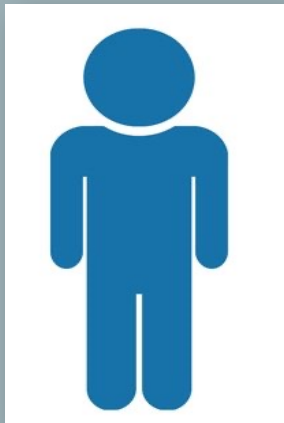
## Définition

La telesimulation à l'ensemble des actes de simulation en santé, se déroulant à distance, en utilisant les nouveaux moyens et techniques d'information et de communication.

*process by which telecommunication and simulation resources are utilized to provide education, training, and/or assessment to learners at an off-site location.*

# Parties prenantes

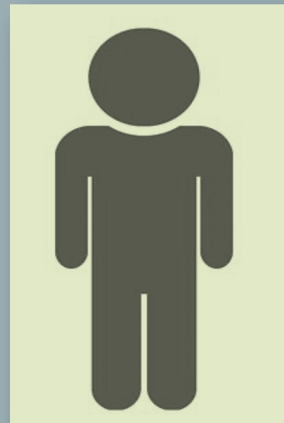
Simulateur



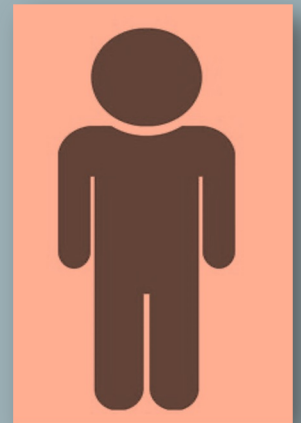
Protagoniste



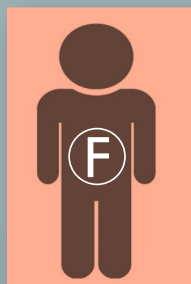
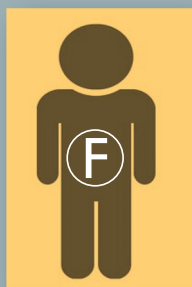
Formateur



Facilitateur



# Simulation conventionnelle



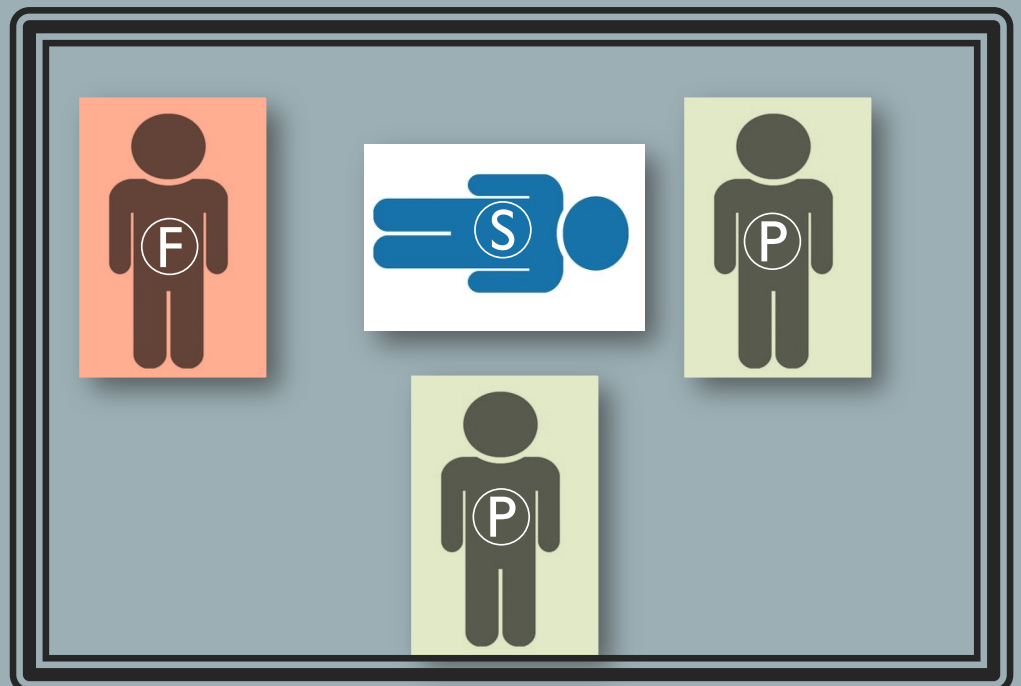
# Télésimulation

Télé-simulation = dès qu'une ou plusieurs partie(s) prenante(s) sort du cadre conventionnel

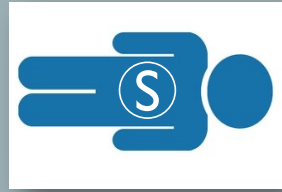
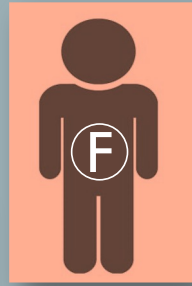
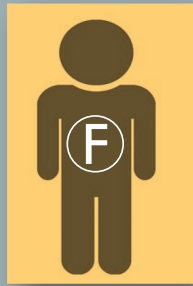


**Pas une mais plusieurs façons !**

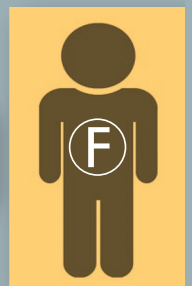
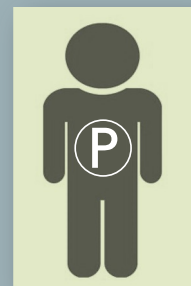
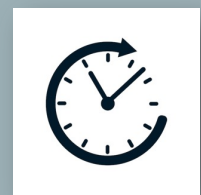
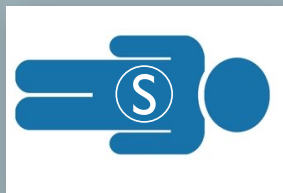
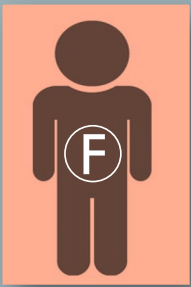
# Télésimulation



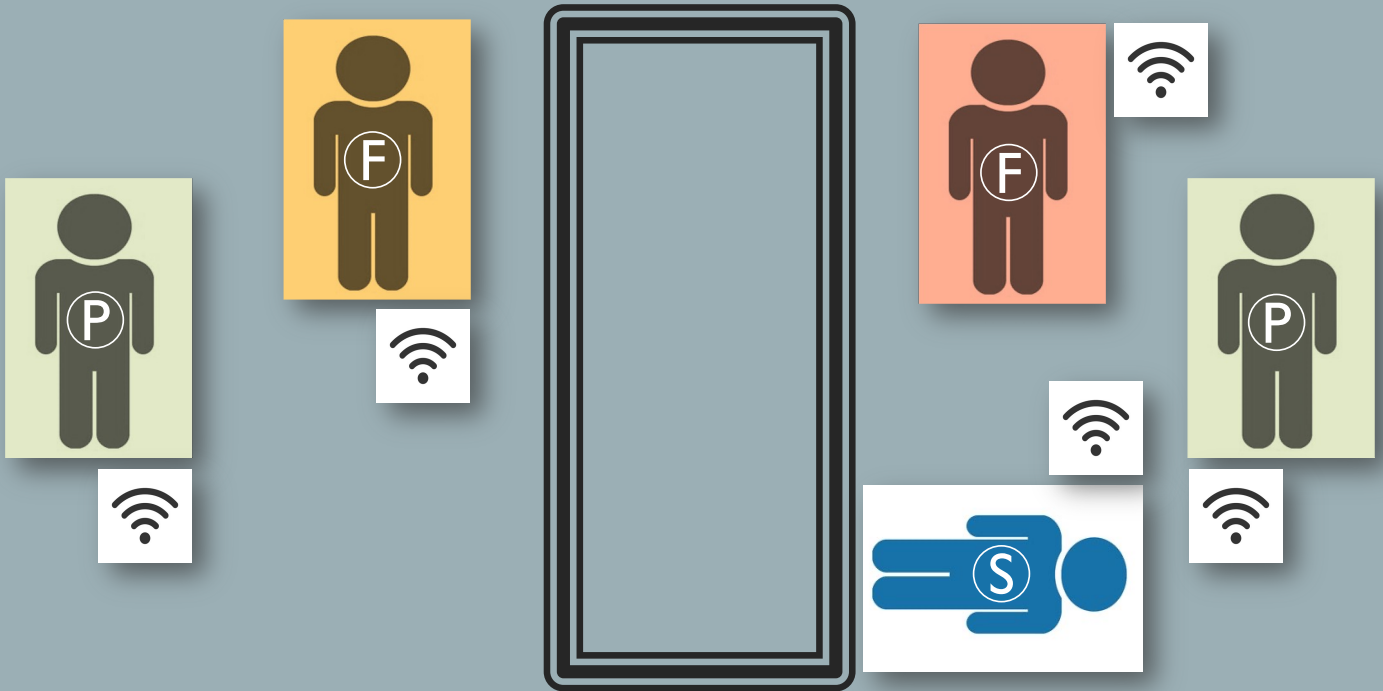
# Télésimulation



# Télésimulation



# Télésimulation



1

## In fine

Télé-simulation = séparation



Géographique  
Temporelle  
Voire les deux

2

# Terminologie

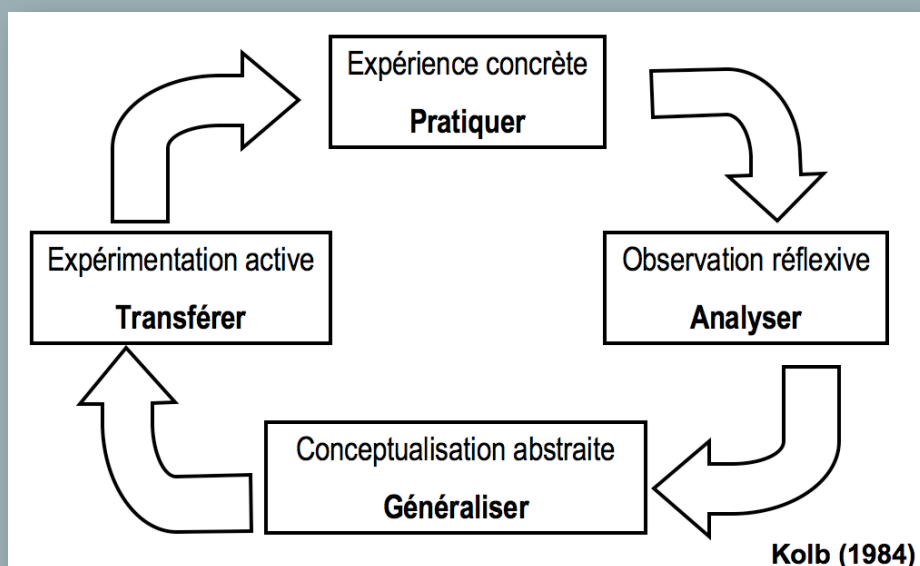
Telesimulation

Remote simulation

Distance simulation

3

# Cycle de Kolb



4

# Champs d'application

- Chirurgie
- Médecine intensive
- Néonatalogie

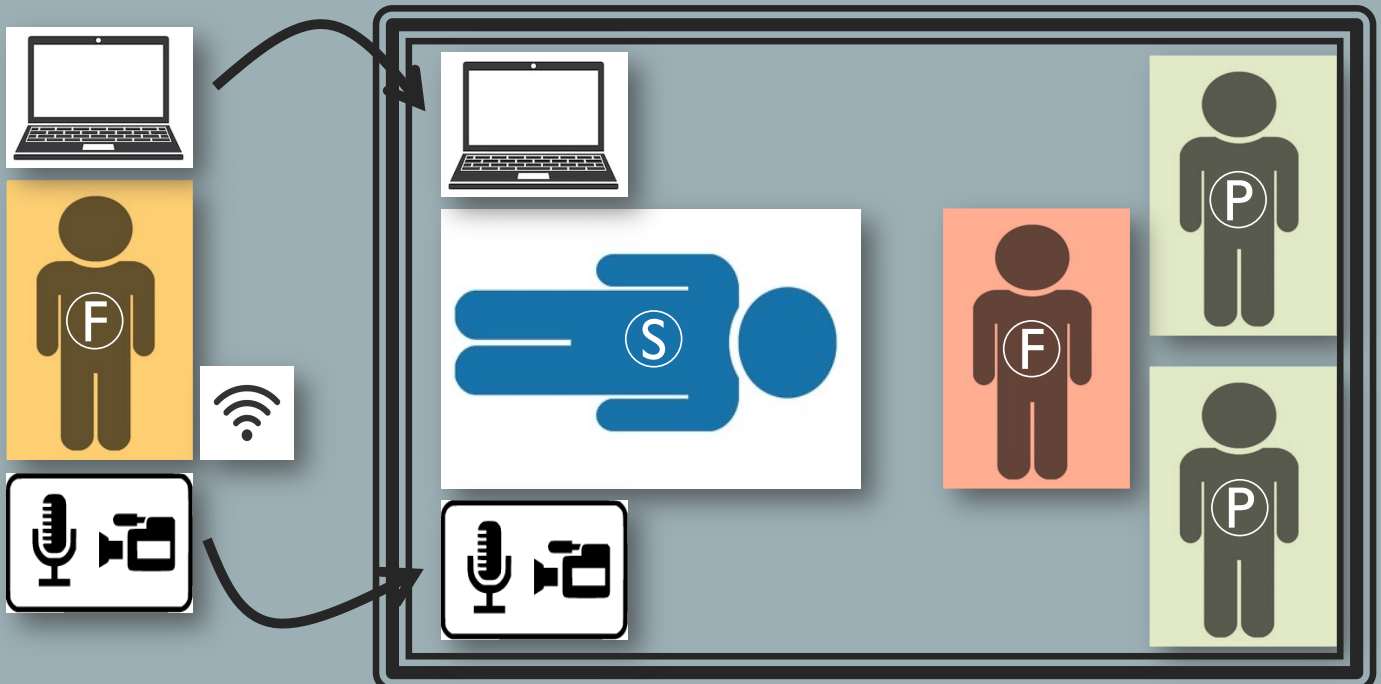
- Ultrasons
- Télédébriefting
- Évaluation

# Aspects pratiques

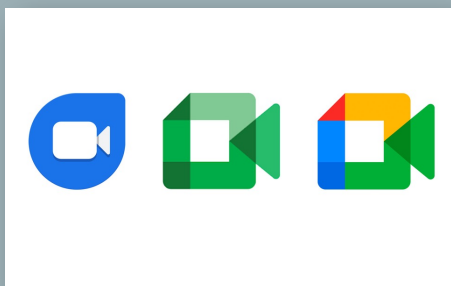
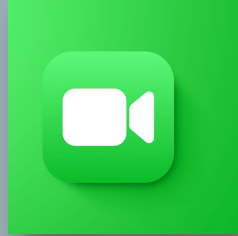
# Pré-requis

- Simulateurs
- Système audiovisuel
- Connexion internet
- Software de téléconférence

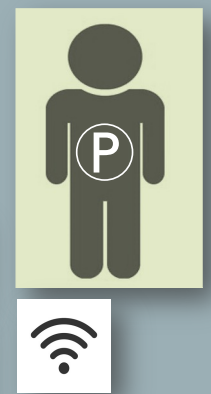
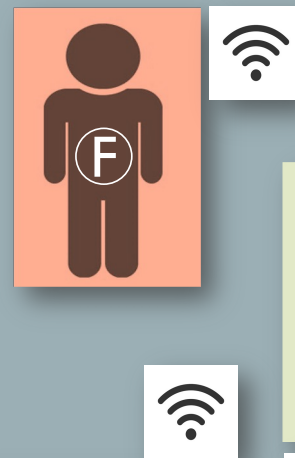
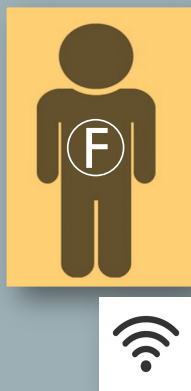
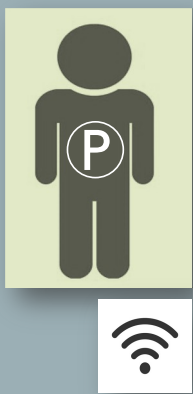
# Télésimulation conventionnelle



# Télésimulation low cost



# Télésimulation low cost



The screenshot shows a Zoom meeting interface. The main content area displays vital signs for three participants:

- HR (Heart Rate):** 131 bpm (green waveform)
- Sat (Saturation):** 88% (yellow waveform)
- BP (Blood Pressure):** 83/42 mmHg (red waveform)
- RR (Respiratory Rate):** 31 (black text)
- Temp (Temperature):** 39.7°C (black text)

Participant list on the right:

- Othman
- Instructeur (Pygmalion)
- Protagoniste 2 FMPO (Rim Bella)
- Protagoniste 3 FMPO (Aïman Naji)
- PS FMPR (AB)
- Debrief (Mouhaoui t...)
- Observatrice (Lina)

Zoom controls at the bottom include: Muet, Arrêter la vidéo, Sécurité, Participants (88), Discuter, Partager l'écran, Enregistrer, Diviser en groupe, Réactions, Plus, and Fin.

1

**Vital Sign Simulator**  
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2



3



4

The image shows a screenshot of the SimBox+ website. The top navigation bar includes links for SimBox, SimBox EMS, Education & Outreach, and More. The main header features the SimBox+ logo (a baby icon) and the text '+ Tele SimBox' with the tagline 'Leveraging technology for learning anywhere'. Below this is the website URL 'www.acepsim.com' and social media hashtags '#FOAMED #SimBox #TeleSimBox'. A call to action 'Help us to improve SimBox:' is followed by two buttons: 'Facilitator Feedback' and 'Participant Feedback'. The main content area has a dark blue background with the text 'SimBox+ + Tele SimBox' and the tagline 'Free online simulation for everyone.'. Below this, it states 'Step by step guide on how to facilitate a simulation.' and 'Use to augment in-person, hybrid or distance simulation.' and 'Low to no technology required.'

5

# Synthèse

5

## Avantages

- Permet des expériences d'apprentissage à distance
- Permet l'évaluation des apprenants à distance
- Élimine l'obstacle de la distance pour la diffusion du contenu pédagogique
- Élimine l'obstacle du temps pour la diffusion du contenu pédagogique

7

## Avantages

- Confère les avantages de la simulation au-delà des murs des centres de simulation
- Permet aux individus, aux programmes et aux institutions de réaliser un retour sur investissement
- Permet la mise en réseau et la collaboration inter-institutionnelle

3

# Limites

Compétences psycho-motrices



Adaptation des objectifs pédagogiques