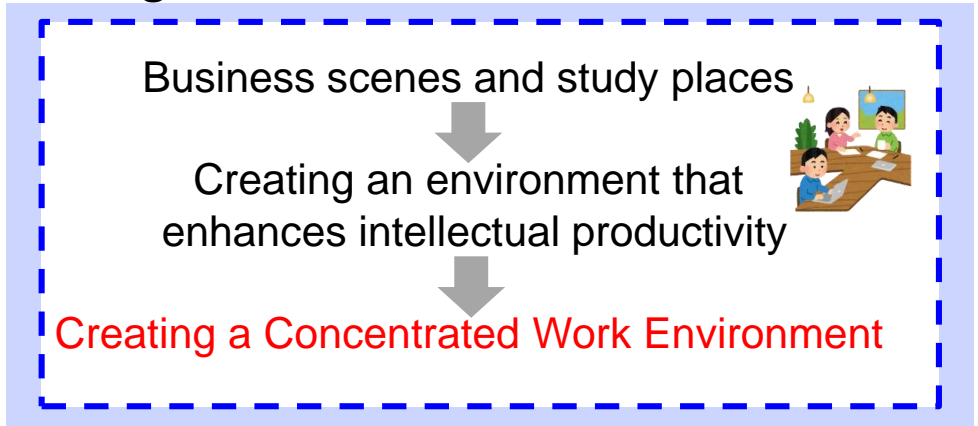
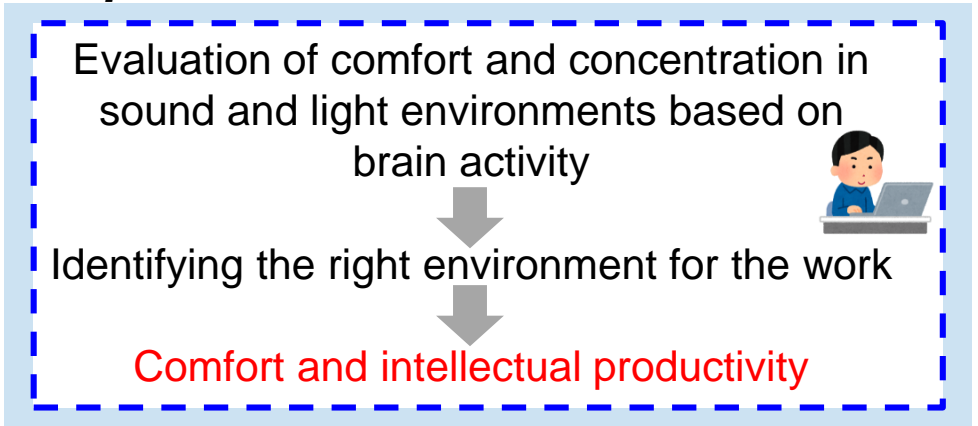




**Backgrounds**



**Purpose**



**Contents**

Brain activity in sound environments

- Subjective evaluation of sound environment
  - Considering the inhibition of concentration of speech information
- Evaluation of sound environment by **fNIRS**
  - Understanding brain regions

Brain activity in light environments

- Subjective evaluation of sound environment
  - Identification of light environment suitable for work based on illuminance and color temperature
- Evaluation of sound environment by **fNIRS**
  - Understanding brain regions

Performance evaluation by combined stimulation of sound and light environments

- Improved work efficiency when changing sound and light environments
- ➔ **Creating a comfortable and Concentrated work environment with sound and light**