

Efficient NoVel Intelligent Reliable OccupatioN Monitoring for IndOor human-comfORt adaptivE System

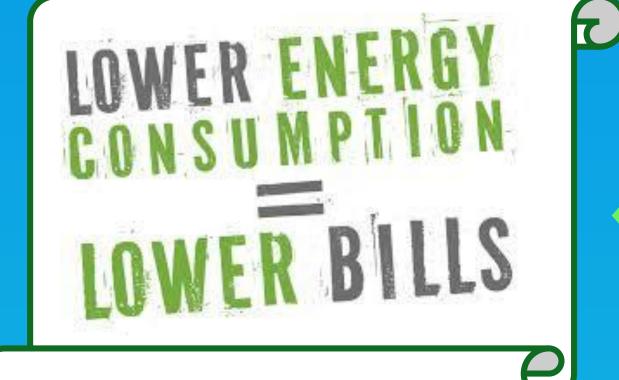
> Background



>> Target

Most of our time is spent indoors





ENVIRON MOORES

>>> Methods

Literature Review on:

- Fanger's Model vs Adaptive
- Sensor Technology
- **Optimization Algorithm**
- **Individual Approach**
- Comfort vs Energy Saving
- Disability support

Lightning Comfort

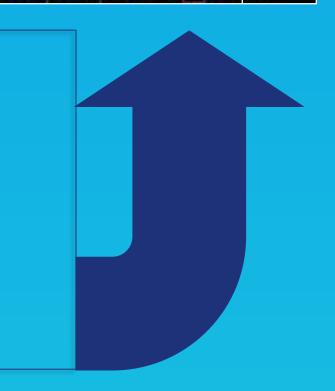
- Lightning Model ٠
- **Optimization Algorithm**
- Prototyping ٠
- Data collection & Validation
- Fine Tuning ٠
 - **Framework Finalization**

Thermal Comfort

- **Radiation Model**
- **Optimization Algorithm**
- Prototyping
- **Data collection & Validation**
- Fine Tuning
- **Framework finalization**

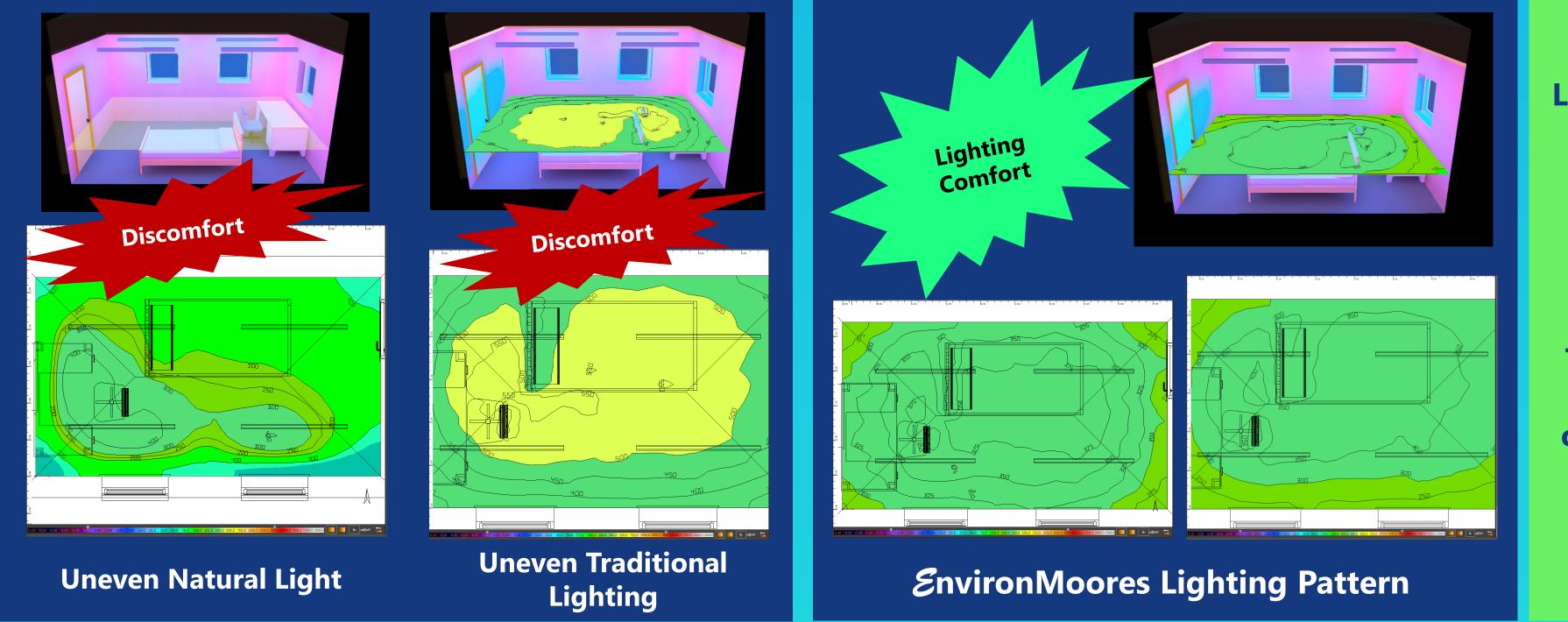
Parameters

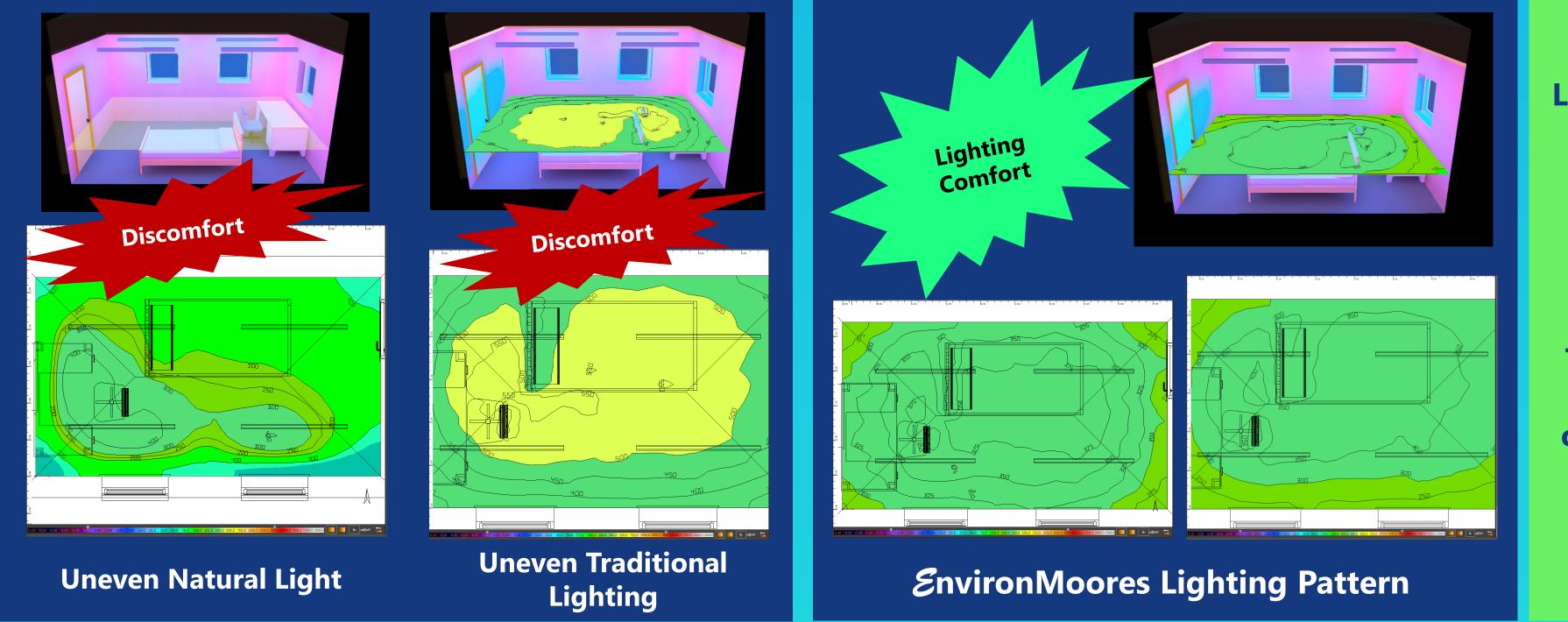
- **Environment Sensors**
- **Clothing Effect**
- **Occupants Metabolism**
- Accessibility
- **Real Time**
- Integration

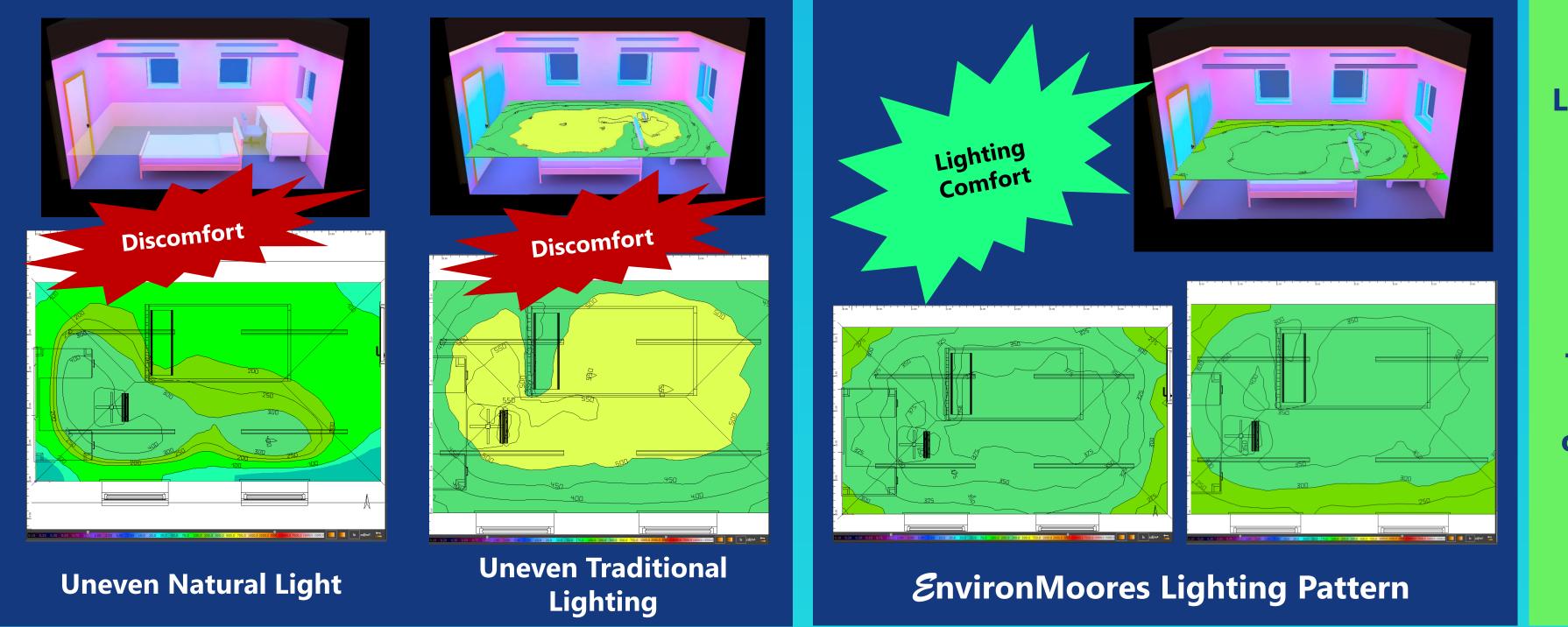


>>>> Work in Progress > Lighting Comfort Model

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Conclusion

Lighting and Thermal Comfort can be

achieved at reasonable energy consumption.

The comfort should also consider the occupants condition and energy saving factor.



> Contact

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