

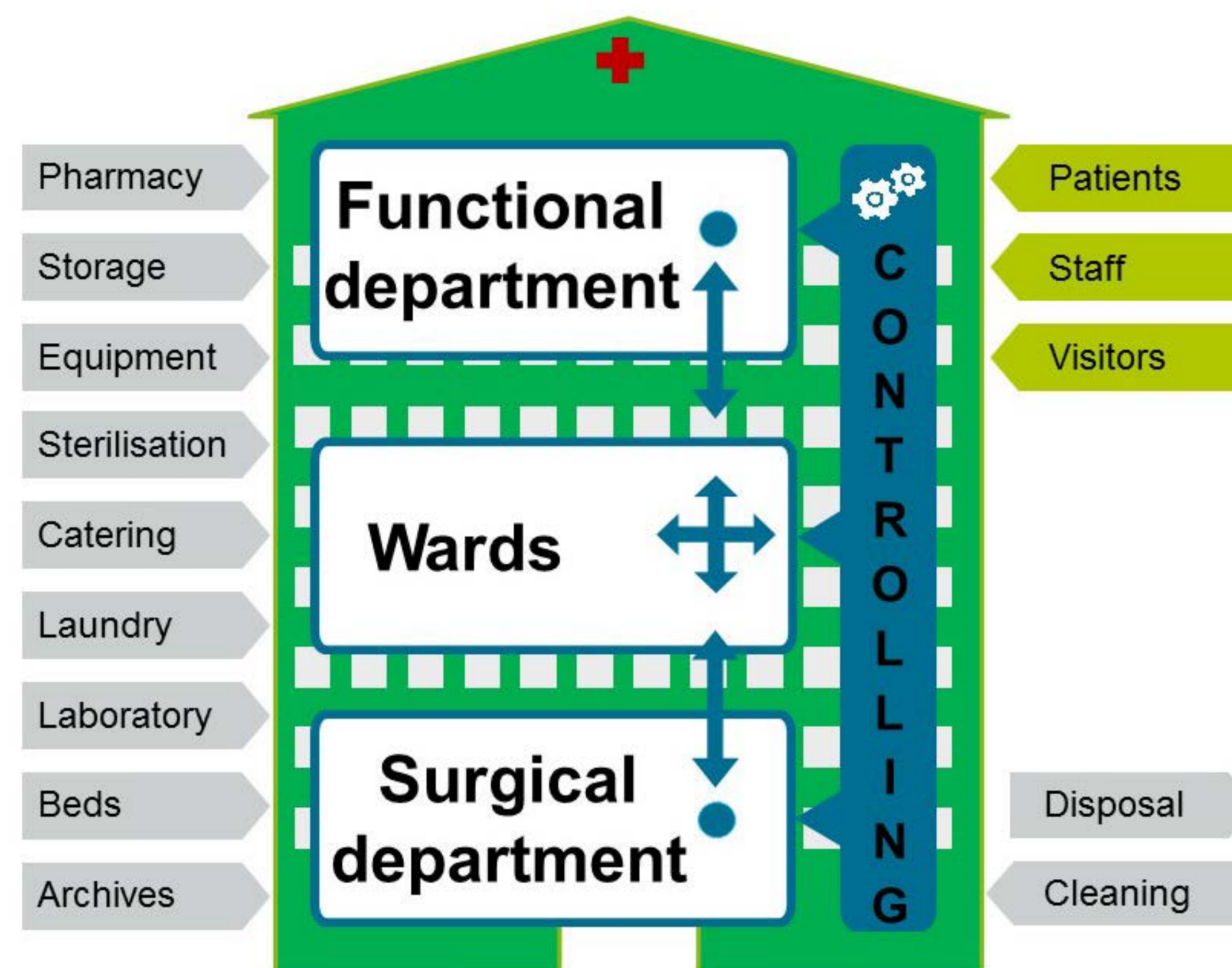
# Green Hospital: Environmental Impact Assessment, Resource Efficiency & Hands-On Applications

## Goals

- (A) develop consistent and comprehensive knowledge concerning **resource consumption end efficiency** in Swiss hospitals
- (B) analyse determinants of **life cycle environmental impacts** in the health sector and **hospitals**
- (C) compile a list of environmental **best practices** and investigate the currently **realisable options**
- (D) test **hands-on applications** for environmentally **optimised processes**

## Course of Action

- Literature research
- ↓
- Data collection
- ↓
- Analysis
- ↓
- Implementation
- ↓
- Evaluation
- ↓
- Recommendations



## Contribution to NRP 73

- Focus on all natural resources
- Integration of environmental, economic and social aspects
- Expansion of the knowledge base on national hospital resource consumption
- Identification of opportunities and risks of specific efficiency measures for hospitals
- Testing specific measures and instruments with partner hospitals
- Enterprise application: close collaboration with our hospital partners: InselGruppe, HUG and GZO (see above)



**73** Sustainable Economy  
National Research Programme

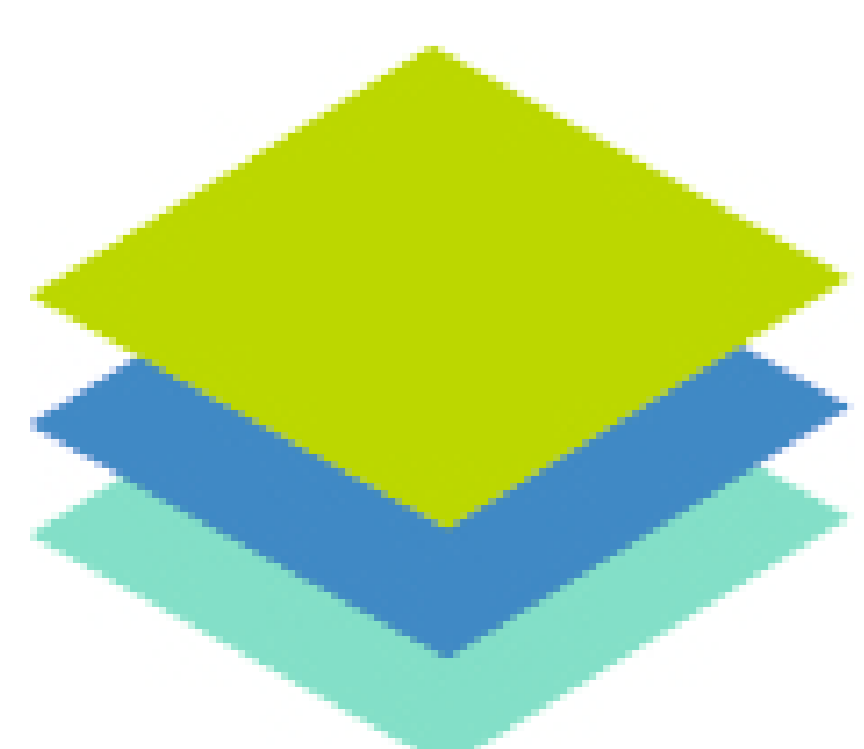


## Main Outcomes

- Quantification of the **environmental impact** of Swiss hospitals
- **Econometric analysis** determining the **environmental and economic efficiency** of Swiss hospitals
- **Key parameter model** to calculate the environmental impact of hospitals
- General **recommendations** for hospitals

## Implementation & Knowledge Transfer

- **Implementation** within hospitals
- Project **website**: greenhospital.ch
- Publication in peer-reviewed **journals and periodicals** in the healthcare, economics, and life cycle assessment fields
- **Presentations** at national and international **conferences and congresses**
- Publication in popular Swiss **newspapers**



**GREEN HOSPITAL**

Matthias Stucki  
Life Cycle Assessment Research Group  
Zurich University of Applied Sciences  
Institute of Natural Resource Sciences  
Grüntal, Postfach, 8820 Wädenswil  
Tel. +41 58 934 57 19  
E-Mail: [matthias.stucki@zhaw.ch](mailto:matthias.stucki@zhaw.ch)

[www.greenhospital.ch](http://www.greenhospital.ch)