

*Regional hospital collaboration in
Poland: a response to privatisation
in the hospital sector.*

*Functional integration of county
hospitals – Małopolska province*

Marek Haber, Marcin Kautsch, Witold Ponikło

Copenhagen, 2012.10.24

EcoQUIP+ Project

- <https://www.ecoquip.eu>



EcoQUIP+ Project

PROCUREMENT PROJECTS

Six healthcare challenges

Five European countries

Implementing innovations in health-care entities

The outcome of this work? The identification of the unmet need and the accurate definition of the new requirement.

We have now published six Joint Statements of Demand and continue to reach out across our peer networks to find other healthcare organisations, practitioners and hospitals with the same, or similar, need to support a period of consultation with the supply-chain and refinement of the wider demand.

2nd International Conference
for hospital directors and management
9-10 May, 2023, Kraków



EcoQUIP+ Project



INNOVATIVE RENOVATION OF HOSPITAL WARDS

Home → Projects → Innovative Renovation of Hospital Wards



The Challenge

- The construction of new hospital units is extremely expensive and there are growing requirements in relation to their function and social expectation. Renovations are, therefore, becoming a necessary activity, carried out periodically by all hospitals.
- In the case of our hospital, however, we want the renovation works to be not only a purpose in itself but also an important part of organisational change, contributing to the improved functioning of the hospital ward.
- The main aim is to move away from the 'bed-centric' approach to focus on the functioning of the ward. We would like patients not to feel attached to beds. We want to create conditions that encourage patients to be more active during their stay in the ward and to have a sense of living closer to home, in a way that is safe for them.

The Requirement

Sucha Beskidzka Hospital is, therefore, seeking innovative renovation solutions for hospital wards that, in addition to the need to ensure continuity of care for our patients, will:

- have a minimal impact on the functioning of the entire hospital
- be economically effective (taking into account life-cycle costs)
- be low carbon
- promote sustainable development (taking into account the need to face the challenges related to climate change and possible epidemic threats)
- be flexible and universal enough to be used in other healthcare units

Patient and staff opinion survey, including patients and staff of other hospitals (VII-VIII 2020)

- Online survey
 - 223 responses / 67 reports from other hospitals
 - 49.2% of patient responses
 - 24.6% of visitor responses
 - 26.2% of responses from hospital staff
- The study allowed to identify key areas for improvement (previously defined by the project team)




ZOZ
Sucha Beskidzka
SZPITAL WIELOSPECJALISTYCZNY

Ankieta EcoQUIP+

Szanowna Pani, Szanowny Panie!

Zespół Opieki Zdrowotnej w Suchej Beskidzkiej w związku z planowanym remontem oddziału poszukuje jak najlepszych rozwiązań, zarówno funkcjonalnych, jak i organizacyjnych.

Szpital nie istniałby bez ludzi, dlatego właśnie poszukujemy rozwiązań pytając o zdanie, tych którzy to miejsce tworzą: pacjentów, pracowników i odwiedzających. Także tych, którzy mają doświadczenia z innych jednostek. Wierzymy, że razem, korzystając z wiedzy i opinii osób z całego kraju możemy stworzyć zupełnie nowy oddział, bardziej przyjazny tym, którzy się w nim leczą i którzy w nim pracują.

Badanie jest anonimowe.

W pytaniach zamkniętych prosimy zaznaczyć wybraną odpowiedź kliknięciem.

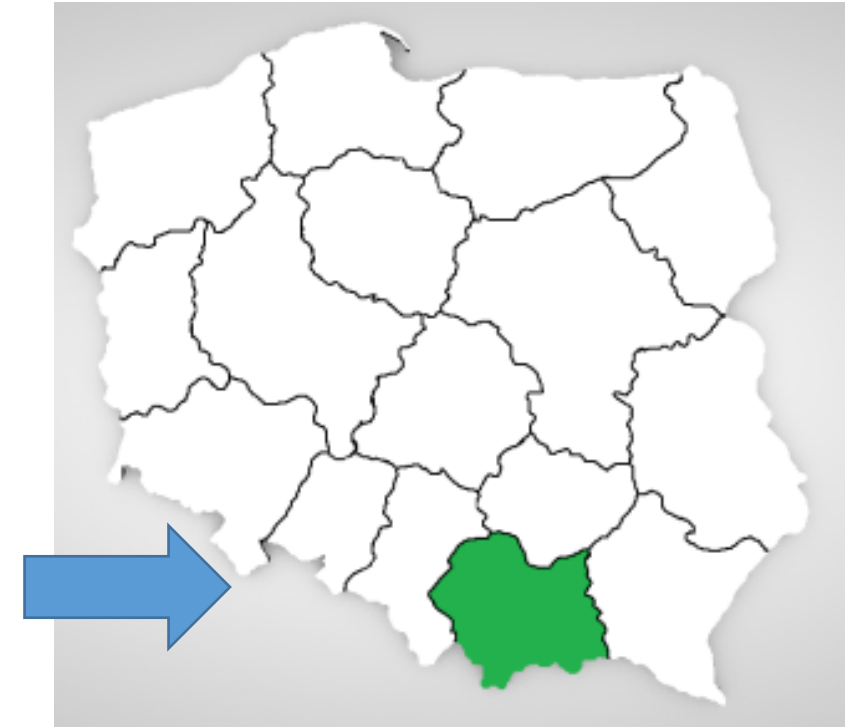
W pytaniach otwartych prosimy wypisać jak najwięcej skojarzeń i pomysłów.

Ankieta dotyczy Pani/Pana doświadczeń szpitalnych. Jeżeli mają Państwo doświadczenia w pracy lub hospitalizacji w różnych jednostkach, to proszę w odpowiedziach uwzględnić te, dotyczące ostatniego zatrudnienia/pobytu.

[ROZPOCZNIJ ANKIETĘ TERAZ](#)

Consultations with professional groups (hospital directors, technical managers, medical and nursing staff, IT staff) (IX 2020)

- Teleconferences with representatives of hospitals of the Małopolska County Hospitals Association
- Over 20 stakeholders
- Opinions on the results of the survey
- Expert feedback and suggestions for potential solutions, changes and improvements



<https://paczka-wiedzy.pl/wojewodztwo-malopolskie-ciekawostki/>

In-depth interviews with stakeholders (IX-X 2020)

- Interviews with participants of the health system:
 - patients
 - non-medical workers
 - medical designer
 - experts in the field of medical infrastructure and equipment
- Collecting opinions on the results of the survey
- Suggestions for potential solutions, changes and improvements

International consultations (experts from EU/non-EU countries) (IX-X 2020)

Interviews and teleconferences with representatives of hospitals (users) and producers of innovative solutions (primarily members of the European Health Property Network)

- Jonathan Erskine
- Peter Ljubetic and Peter Höjerback
- Christofer Silfvenius
- Andres Bru
- Thomas Lindborg
- Izabela Zaczek
- Neil Hathaway
- John Cole
- Lindy Osborne Burton, Evonne Miller and Jane Carthey
- Liesbeth van Heel
- Menno Hikema
- Grant Millsem and Anne Symons



https://commons.wikimedia.org/wiki/File:Europe_blank_laea_location_map.svg

Statement of Demand (SoD) (III 2021)

The areas requiring change:

- **temperature and air quality**
- **conditions in patient rooms and rest areas for patients**
- equipment and quality of **sanitary facilities**
- **facilitating communication**
- **lighting**



Market consultations (meetings with companies) (VII-X 2021)

- Before the market consultations were announced, a database of potential bidders was created, which was the result of individual telephone conversations.
- Announcement of the procedure for the preparation of multi-discipline design documentation for the renovation of the ward: Purchasing Platform, OJEU (I 2022)
- Virtual Open Day (VII 2021)
 - representatives of 17 external companies
 - presentation of the project and identified needs
- Individual meetings with companies representatives (VIII-X 2021)
 - presentation of proposed solutions in identified problem areas
- [„Overtime”: Business Finland teleconference, organized at the request of Business Finland (X 2021)]

Feedback collection from other healthcare institutions (III 2021 – V 2022)

Institutions that declared that they share the needs defined by Sucha Hospital



Szpital Bocheński

Samodzielny Publiczny Zakład Opieki Zdrowotnej w Bochni,
„Szpital Powiatowy” im. bł. Marty Wieckiej



**SPZOZ
W WIELUNIU**



**Podhalański Szpital Specjalistyczny
im. Jana Pawła II w Nowym Targu**



**SAMODZIELNY PUBLICZNY
ZAKŁAD OPIEKI ZDROWOTNEJ
W MYŚLENICACH**



GRUPA NOWY SZPITAL



**S Z P I T A L
W DĄBROWIE TARNOWSKIEJ**



**ZZOZ
WADOWICE**



**SZPITAL
POWIATOWY
W CHRZANOWIE**



**OŚRODEK REHABILITACJI NARZĄDU
RUCHU "KRZYSZOWICE" SP ZOZ**



**Szpital Miejski
w Rabce-Zdroju**



**SZPITAL W
PROSZOWICACH**



**Szpital Powiatowy
im. św. Maksymiliana w Oświęcimiu**



**SZPITAL WOJEWÓDZKI
W BIELSKU-BIAŁEJ**



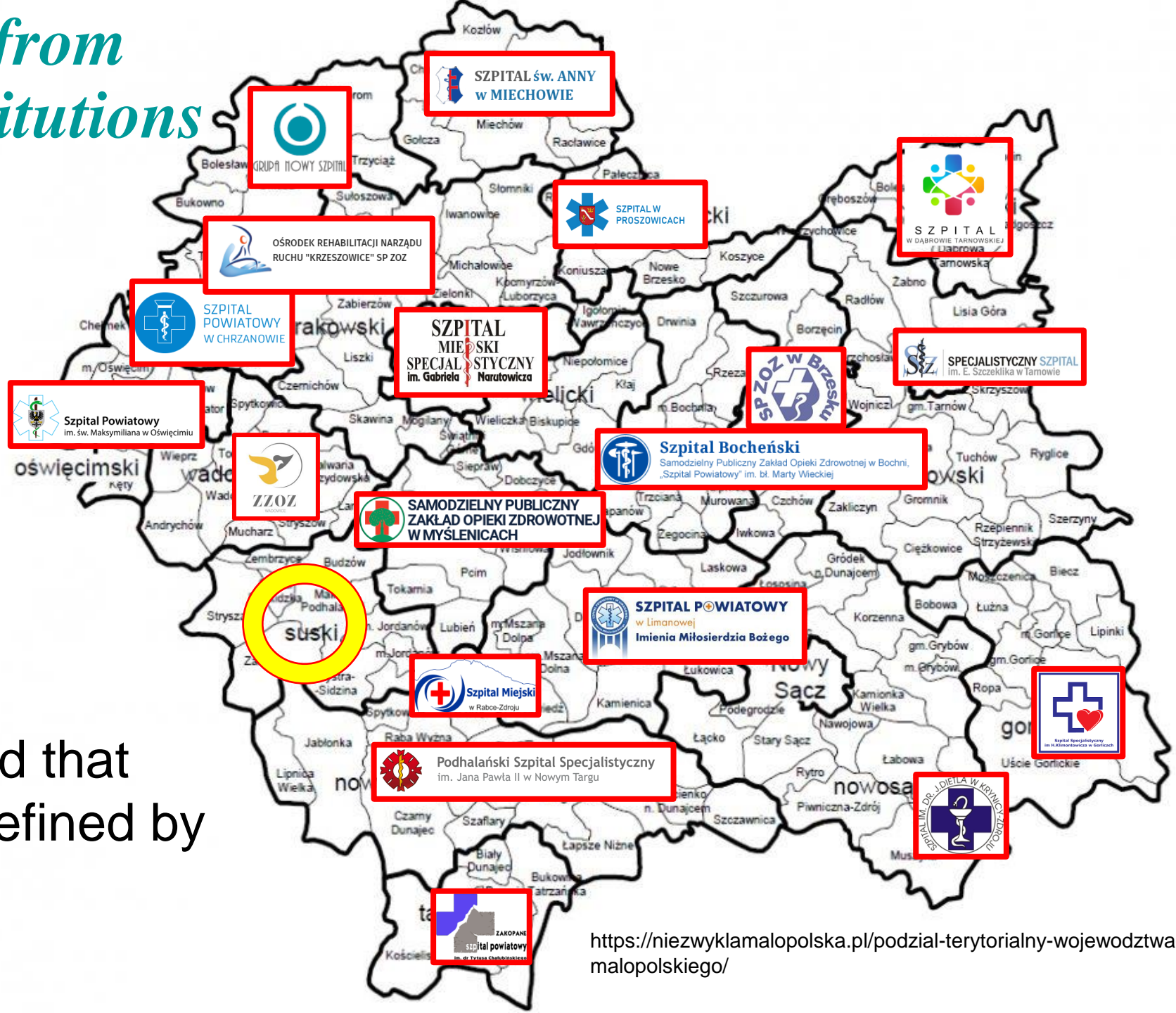
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im. Gabriela
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**SPECJALISTYCZNY SZPITAL
im. E. Szczeklika w Tarnowie**

Feedback collection from other healthcare institutions (III 2021 – V 2022)



Institutions that declared that they share the needs defined by Sucha Hospital

A tender for a surgery ward renovation project (blueprint) based on SoD (I-IX 2022)

- Announcement of the procedure for the preparation of multi-discipline design documentation for the modernization of the ward (I 2022)
- Signing a contract for the implementation of the task (II 2022)
- Documentation of the project delivered including construction design, executive designs for individual industries, technical specifications for the execution and acceptance of construction works, cost estimates and a building permit. These documents will be the basis for announcing the procedure for the modernization of the ward (VI 2022).
- After analyzing the feasibility of the procurement, a decision was made to carry out the task in two stages (i.e. design and renovation of the ward).
- Collecting comments and feedback from the users. Approval and acceptance of the renovation project (IX 2022).

A tender for a surgery ward renovation project based on SoD (I-IX 2022). Innovative solutions in the blueprint:

- **NO SINGLE BIG innovation.**
- The use of different small „incremental”, „small scale” changes/innovations (not present in most of the hospitals).
- Preparedness for the future retrofitting.
- The preparation to the purchase (users’ feedback, consultations, etc.) are not used AT ALL at this scale by other users in Poland.

EcoQUIP Project (2012-2016)



Zakończenie prac z... Prace związane z instalacją modułów fotowoltaicznych - 10.09. 2015 r.

A tender for a surgery ward renovation project based on SoD (I-IX 2022). Innovative solutions in the blueprint:

- Washrooms: washbasins with integrated handles, tilting mirrors with lighting, handles and chairs for people with disabilities
- Bariatric solutions
- Active+ mass available for barrier-free handles and accessories such as dispensers [disinfection]
- New radiators [energy saving]
- Water installation [solutions that save water consumption, improve hygiene, resistance to vandalism]
- The lighting system [adaptation to the needs of the ward, more light sources, greater variety, energy efficiency, light intensity regulation]
- The use of a magnetic loop for the hearing impaired near the nursing station
- Individual wristband for the patient with the measurement of vital signs.
- The use of signs describing rooms in Braille.
- The use of air-conditioning units with heat recovery and a heat pump.

Financial planning of the project (IX-XII 2022)

- In the meantime... (since summer 2022)
- Searching for external sources of project financing [amounts in euro – approximately]
 - A loan from Siemens Finance – (150 000 euro) PLN 700,000
 - Subsidy from the poviat and communes (PLN 3 per inhabitant) – (96 000 euro) PLN 450,000
 - A subsidy from the City – (14 000 euro) PLN 65,000
 - EcoQUIP+ – (61 000 euro) PLN 288,000
 - Hospital own contribution – (53 000 euro) PLN 247,000

Current status regarding the launch of pro-innovation tenders

- The first part of the project has been completed – a project for the renovation of the surgery ward was ordered and purchased, based on the analysis of needs, consultations with the above-mentioned needs and SoD.
- Action plan
 - April 11, 2023 – announcement of the tender procedure
 - May 17, 2023 – deadline for submitting offers
 - June 12, 2023 – signing of the contract
 - August 30, 2023 – completion of the works of the 1st stage.
- The above-mentioned plan includes the following risks:
 - lack of companies willing to perform the public procurement,
 - offers exceeding the hospital's financial capabilities,
 - prolonged proceedings in connection with appeals.
- In order to prevent them, it was decided to start the procedure relatively early, which allows the procedure to be repeated if there were no contractors' applications or if they were too expensive. It is also possible to limit the scope of work to be able to perform at least some of the work.

Project offset

Participation in the project and previous similar initiatives led to the expansion of cooperation with other partners and participation in projects that would not have come to fruition without the above-mentioned partners. participation:

- Energy Machines (<https://www.energymachines.com/>) since December 2021, changing the way of obtaining energy for the needs of the hospital:
 - Obtaining energy from renewable sources (heat pumps).
 - Storage of cold and heat.
 - Temperature and air quality control in the hospital.
- The Nordic Center For Sustainable Healthcare (<https://nordicshc.org/>) – consulting, conferences, joint projects
- The Swedish Energy Agency (<https://www.energimyndigheten.se/en/>) – financing green investments
- EIT Health: Start-up Meets Healthcare Providers programme – creating a tool for the hospital to facilitate communication with the patient (“hospital GPS”, medical documentation, treatment plans, etc.)
- Procure for Health project (P4H); (<https://procure4health.eu/>); an EU funded project – innovation procurement

EcoQUIP+



"With the contribution of the
COSME Programme
of the European Union"



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