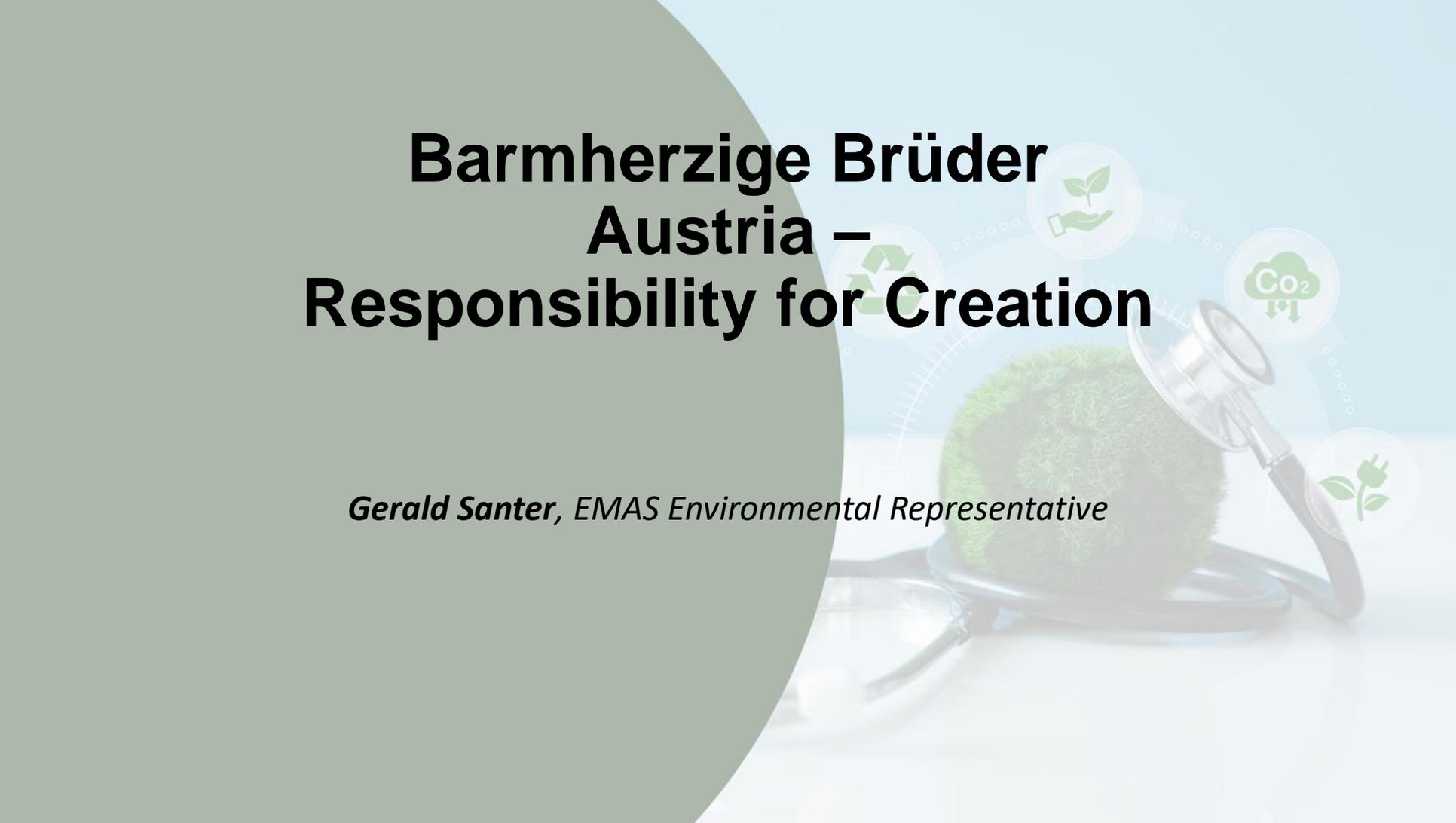


Barmherzige Brüder Austria – Responsibility for Creation

The background of the slide features a light blue and white color scheme. A large, semi-transparent green circle is on the left side. In the center, a small globe is being examined by a stethoscope. Surrounding the globe are several circular icons: a recycling symbol, a hand holding a plant, a CO2 molecule with a downward arrow, and a leaf with a plug symbol.

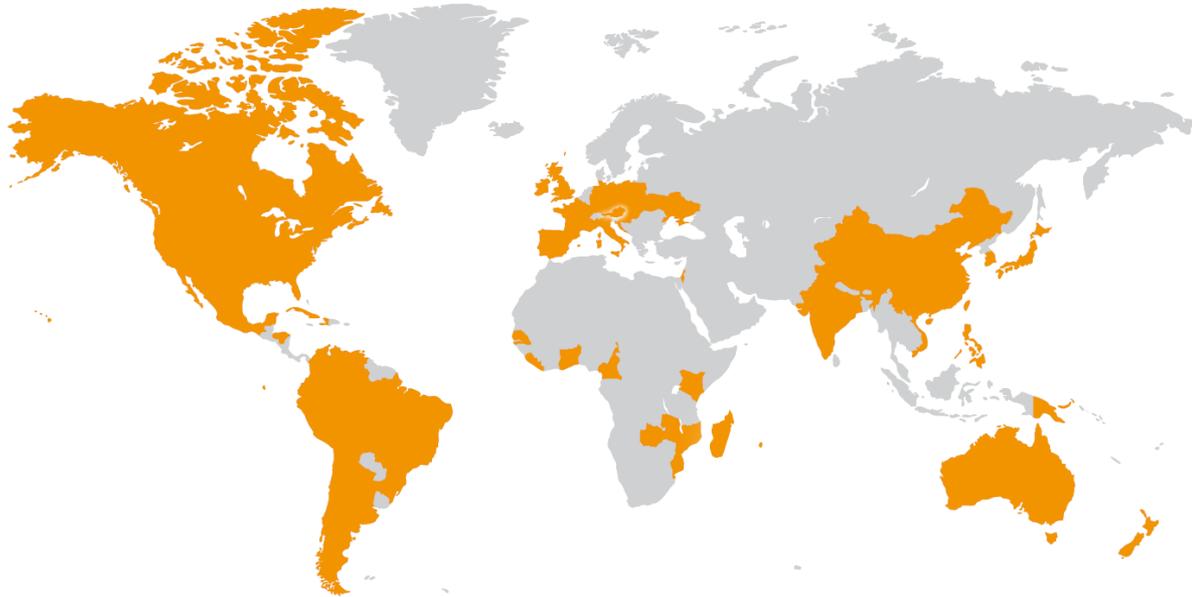
Gerald Santer, EMAS Environmental Representative

Laudato Si



"There is a growing awareness of the environment and the care of nature, and a sincere, painful concern is growing about what is happening to our planet."

Barmherzige Brüder / St. John of God international



- 51 countries
- 396 religious institutions
- 981 Brothers
- 64,000 employees
- 29,000 volunteers

EMAS-certified locations of Barmherzige Brüder Austria

- KH St. Veit 2015
- Kainbach 2018
- KH Linz 2018
- KH Graz 2019
- KH Salzburg 2019
- KH Klagenfurt 2019
- KH Eisenstadt 2019
- KH Wien 2020
- Kritzensdorf 2020
- Schärding 2021
- Franziskusschwestern Linz 2021



Why is EMAS very important for our hospitals?

- Cost reductions
- Increased legal security
- Increased environmental awareness of employees
- Specific public relations internally and externally
- Validated environmental declarations
- Increased transparency
- Information exchange within locations and other EMAS organizations
- Periodic management reviews with executive leadership

Environmental Protection at Barmherzige Brüder Austria



BARMHERZIGE BRÜDER
ÖSTERREICH

Goals and Key Measures by 2030 (Selected)

- 98% CO₂ reduction by 2030 (baseline: 2017 Scope 1 & 2)
- Master plan: Building physics assessments of all existing facilities
- Renewable or waste heat-based heating at all Austrian sites
- New builds & renovations meet top sustainability standards (e.g. klimaaktiv GOLD)
- Cooling via district cooling / low-emission networks
- Adoption of new technologies (e.g. hydrogen, energy storage)
- Switch to low-impact anaesthetic gases & gas recycling

Environmental Cockpit – all sites

Current status: CO₂ reduction approx. **-57.39% (Scope 1 & 2)**

How we achieved -57% CO₂ (2017–2024, Scope 1 & 2):

- Phased out heating oil and natural gas
- Introduced anaesthetic gas recycling
- Switched to Austria's real electricity CO₂ mix
 - Temporarily used 0 kg CO₂ for electricity
- Sustainable use of our own forest for heating



The Road to 2030:
-98% CO₂ reduction vs. 2017 –
a tough path ahead for the hospitals

Energy Management and Monitoring EUDT – all sites

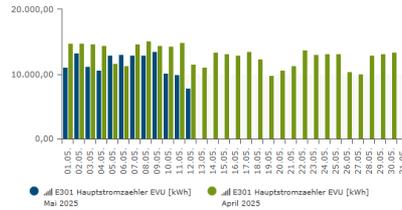
Energy consumption in real time

Heatmap – „operation room“- energy consumption

- EUR
- Übersicht
- Aktuell
- Tag
- Monat
- Signale
- Strom
- Wärme
- Wasser
- Kälte
- Weitere
- Info
- Alarmer
- Ereignisse
- Medien
- 7S
- Tätigkeiten

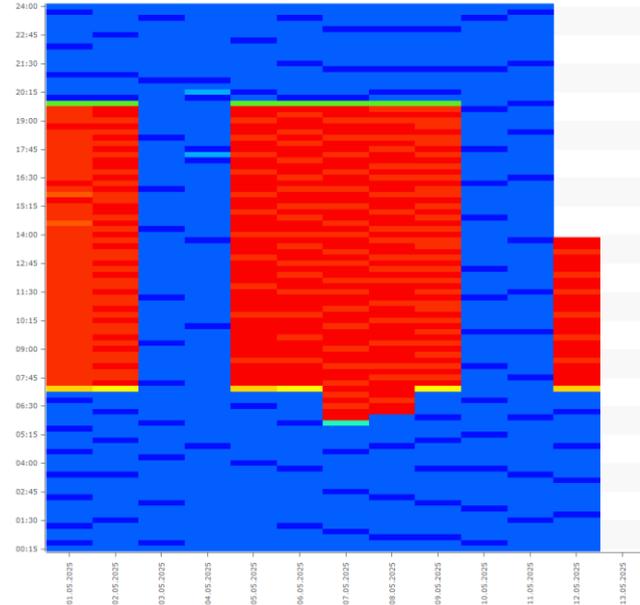
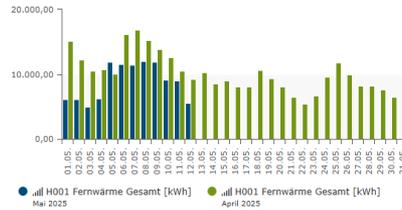
||| E301 Hauptstromzaehler EVU [kWh]

Mai 2025	Monatsverbrauch bis 12.05.2025	139.620,00 139.620,00
Apr 2025	Monatsverbrauch bis 12.04.2025	388.330,00 166.860,00



||| H001 Fernwärme Gesamt [kWh]

Mai 2025	Monatsverbrauch bis 12.05.2025	106.000,00 106.000,00
Apr 2025	Monatsverbrauch bis 12.04.2025	306.100,00 153.600,00



Cutting CO₂ Emissions through Anaesthetic Gas Recycling

- Global Warming Potential (GWP) – over 100 years
- Desflurane: GWP 2,540
- Nitrous Oxide (N₂O): GWP 300 (lifetime: 114 years)
- Isoflurane: GWP 510
- Sevoflurane: GWP 130



Real-World Impact – Example hospital Salzburg

- ⇒ 96.75 L Sevoflurane saved through low-flow anaesthesia & recycling
- = 6,666 kg CO₂ avoided
- = 2,560 litres of heating oil
- = 🔥 Annual heating of a single-family home

Sustainable Mobility – example Hospital Linz

- Developing a mobility concept
- Staff mobility survey and distance analysis conducted
- Focus: Feasibility of cycling for daily commute
- Data shows many live within cycling distance

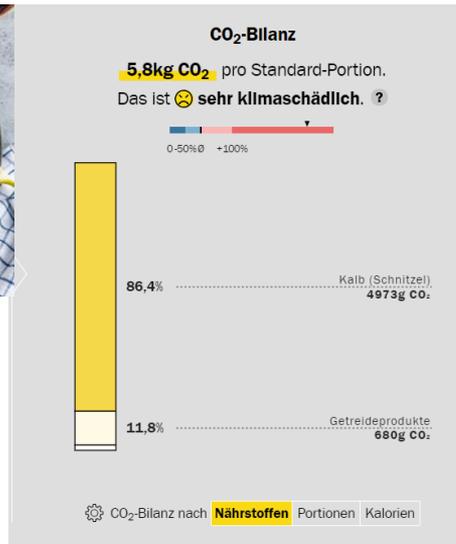
✓ Immediate actions taken:

- Expansion of secure bike cages
- Additional bike parking spaces
- Installation of service stations (air pumps & basic tools)

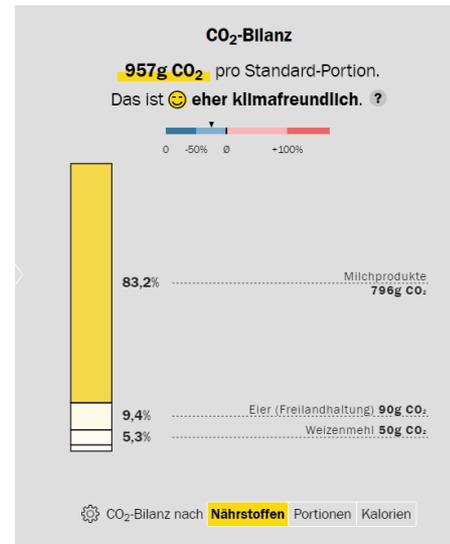


Climate friendly food supply

Wienerschnitzel mit Pommes



Käsespätzle



Environmental Coaches - checklist

checklist:

date:

unit:

environmentalcoach:

Questions to be answered	Yes	No	n.r.*	details
1 Are all unnecessary lights turned off?				
2 Are windows closed when the ventilation system is on?				
3 Are doors closed when the ventilation system is on?				
4 Is waste separation carried out properly in the area during spot checks?				
5 Are all unnecessary computers shut down?				
6 Are all unnecessary electrical devices (printers, coffee machines, etc.) switched off? No standby mode!				
7 Are all unnecessary medical devices (e.g. ultrasound machines, monitors, etc.) turned off?				
8 Are unused charging cables unplugged (e.g. phone chargers, etc.)?				
9 Have products belonging to patients who have been discharged been removed from the refrigerator?				
10 Is oxygen turned off in patient rooms when not needed?				
11 Is meal portion size adjusted to the patient's needs or canceled on surgery days?				
12 Is the stock level in staff refrigerators adjusted to actual demand?				

Vorschläge für Maßnahmen:



Let's clean up initiative!



BARMHERZIGE BRÜDER
ÖSTERREICH

Sustainable living and working „guideline“ – EMAS Practice

- **Environmental awareness is part of daily life:** From waste separation and energy-saving routines to staff education and resident involvement, sustainability is actively lived.
- **Creative upcycling instead of waste:** Old materials are turned into useful and decorative items – from handmade paper to insect hotels and herb gardens.
- **Less plastic, smarter products:** Eco-friendly alternatives like detergent sheets, reusable containers, and reduced packaging are already in use.
- **Sustainability meets inclusion:** Clear visuals, simplified language, and participatory methods ensure everyone can contribute – regardless of ability.

Barmherzige Brüder Austria – Responsibility for Creation

