The Delphi report documents the potential for development and the principles of the transformation process from a “modern industrial society” to a “post-modern information society”.

Technological development can not be studied and evaluated without considering the societal and cultural context. Therefore, the “Society and Culture Delphi Austria” program accompanying the “Technology Delphi” has been elaborated to supplement the technology program. This report commissioned by the Federal Ministry of Science and Transport and presented by the Institute for Trend Analyses and Crisis Research examines future socio-cultural developments and provides a forward-looking potential for conflict.

The following seven problem-oriented topics, which will gain increasing importance in Austria, have been analyzed within the “Society and Culture Delphi” program:

1. Health and illness in times of social change
2. Old age and the life cycle
3. Life-long learning
4. New forms of housing and living arrangement
5. Regionalization and locally integrated production technologies
6. Environmental quality of Austria
7. Employment and income.


The Delphi report is the latest in a series of Delphi research programs commissioned by the Austrian Federal Ministry of Science and Transport, aiming at the development of future-oriented strategies to approach the complex and diverse challenges of modern society.

The report focuses on the field of environmentally sound production and sustainability, and specifically on two innovative fields: energy and materials.

**Results in Two Innovative Fields**

- **Energy and Materials**: The report acknowledges the potential of new materials and technologies for sustainable production.
  - **Renewable Raw Materials**: Products made from renewable raw materials were identified as a high-potential area.
  - **Environmentally More Sustainable Technologies**: There is a strong emphasis on improving energy efficiency and reducing waste.

**New Forms of Housing and Environmentally Sound Construction**

- A group of experts defined this topic as having high potential for leading in the need for new forms of living.
  - **Sustainable Housing Design**: This includes building design that reduces environmental impact.
  - **Energy-Efficient Housing**: Improvements in energy efficiency are considered essential.

**Foresight exercises** differ from earlier forecasts as far as future scenarios do not necessarily preclude one another but are rather based on a model including several possible futures with different probabilities. This allows for more dynamic decision-making and reduces the need for decisions made today in light of those made by experts previously.

In the field of "environmentally sound production and sustainability", five main topics have been identified and for five potentially successful developments have been selected.

As far as environment-related megatrends are concerned, there were standard definitions on all different aspects of the "Technology Delphi" process. However, for this field, it is very important to consider the perspectives of the experts involved.

Production and investment in the area of new materials and technologies could be conducive to sustainable development and growth, but there is a need for technology policy to support networks and to promote cooperation to a greater extent.

**Life-long learning** and **Medical technology and counseling for elderly persons** were also identified as important areas for development.

In conclusion, the report highlights the importance of integrating various fields of action and fostering cooperation among stakeholders to achieve sustainable development.

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- **New Forms of Housing and Environmentally Sound Construction**
  - Energy and materials: seeing construction, renewable raw materials or new forms of housing. A broad-based, country-wide sample including representatives from architecture, building technology, and construction industry but also users, such as cooperatives, administration, and citizens.
  - Environmentally more sustainable technologies: some of the strong points in Austria's industrial sector could be a starting point for new developments.

- **Environmentally sound production and sustainability**
  - Production and investment in the area of new materials and technologies could be conducive to sustainable development and growth, but there is a need for technology policy to support networks and to promote cooperation to a greater extent.

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In summary, the Delphi report provides a comprehensive overview of the future-oriented strategies and challenges in the fields of environmentally sound production and sustainability.
As far as environment related megatrends are concerned, there were several dominant questions asked. This is not surprising, since for each of these fields of action for each of the identified megatrends a high relevance was assigned by the Delphi experts. The factors identified for Austria are: 

- Solar building technologies
- Wood technology
- Integrated building technology
- Redevelopment

The results of the Delphi study show that Austria has a high potential for a leading role in the development of these technologies. The objective of the Delphi study was to identify those development fields for which Austria has a high potential for a leading role. In the case of the sustainable building technologies, the study showed that Austria has a high potential for a leading role in these fields. The study also showed that Austria has a high potential for a leading role in the development of new building materials, such as wood, integrated building technology, and redevelopment. The conclusions of the study were based on the analysis of the expert opinions and the evaluation of the potential for Austria to lead in these fields.
In order to stimulate existing potential in Austria, the Delphi research program aimed at the field of “Environmentally sound construction and renewable resources.” The study identified seven different innovative fields of action in which Austria could assume a leading role on a long-term basis: solar building, wood technology, integrated building technology, and re-development.

Numerous political measures to promote these construction technologies can be identified on both the national and the project’s extent and the further development of the topics in this field which is to present a crucifixion of the technical and economic fields of re-development. As a result, several measures have been identified to the extension and follow-up of the future-oriented projects and activities. In the context of the study, a high emphasis on ecological development in the building and construction industry and in planning has been

in planning has been

In the field of building construction an emphasis on ecological development in the building and construction industry and in planning has been evaluated as important, desirable, innovative, and capable of realization by the participants of the study. In this context, concrete insight has been gained in which area of the fields Austria could assume a leading role: solar building, wood technology, integrated building technology, and re-development.
The Delphi report documents the potential for development and the principles of the transformation process from a "modern industrial society" to a "post-modern information society".

Technological development can be studied and evaluated without considering the societal and cultural context. Therefore, a "Society and Culture Delphi Austria" program accompanying the "Technology Delphi" has been elaborated to supplement the technology program. This report commissioned by the Federal Ministry of Science and Transport and presented by the Institute for Trend Analyses and Crisis Research presents a cross section of the Delphi-Austria research carried out by Holger Riek on commission of the Ministry of Science and Transport.

DELPHI REPORT

SOCIETY AND CULTURE DELPHI AUSTRIA

The Delphi project has been carried out by the Austrian Federal Ministry of Science and Transport and elaborated by the Institute for Technology Assessment at the Austrian Academy of Sciences.

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PUBLICATIONS

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The final part of the DELPHI REPORT "Technologie-Delphi Austria" presents a cross-section of the Delphi report, worked out by Holger Rust on commission of the Ministry of Science and Transport.

PROJECT SPONSORS

The DELPHI REPORT "Technologie-Delphi Austria" was commissioned by the Austrian Federal Ministry of Science and Transport and elaborated by the Institute for Technology Assessment at the Austrian Academy of Sciences. The DELPHI REPORT "Gesellschafts- Kultur Delphi Austria" was also commissioned by the Austrian Federal Ministry of Science and Transport and elaborated by the Institute for Trend Analyses and Competitiveness Research. This report has not yet been published.

The cross-section analysis "ÖSTERREICH 2013" presents a study entitled "ÖSTERREICH 2013", which was worked out by Holger Rust on commission of the Ministry of Science and Transport. The final part of the DELPHI REPORT "Technologie-Delphi Austria" presents a cross-section of the Delphi report, worked out by Holger Rust on commission of the Ministry of Science and Transport.

PUBLICATIONS

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