



Michael Charalambis (Umwelthaus)

Dialogue forum in Frankfurt

(Forum Flughafen und Region - FFR)

History of the dialogue forum

- Plans to expand the airport with a new runway in the 90ies
- the Hessian state government initiated a mediation process
- For supporting the dialogue und the planning approval procedure **Regionales Dialogforum** was established (RDF 2000-2008) involving representatives of the
 - aviation industry (Fraport, Lufthansa, German traffic control)
 - municipalities
 - Aircraft noise commission (FLK)
 - other interest groups like labour and economy associations, nature protection associations, church associations, citizen initiatives

History of the dialogue forum

Some of the important results of the RDF were:

- Anti-noise pact: concrete measures
- Night flight ban in the application for the planning approval procedure
- Establishment of a noise index to describe exposure to aircraft noise and its development (Frankfurter Fluglärmindex)
- Noise protection: joint declaration of commitment, upper limit for noise pollution
- continuation of the dialogue

Structure and design of Forum Flughafen und Region (FFR) (forum airport and region)

As a follower of RDF the forum airport and region (FFR) continues the dialogue between the region and the aviation industry

Forum Flughafen & Region

Board of directors

Koordinierungsrat = board

ExpASS =expert panel for active
noise abatement

Konvent
Flughafen & Region

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FFR Board of directors



Representant of civil aviation

Dr. Pierre D. Prümm
Member of the
Management Board of
Fraport AG



neutral

**Prof. Dr. Johann-Dietrich
Wörner**
former ESA Director General



Representant of the municipalities

Oliver Quilling
District Administrator
County Offenbach

Koordinierungsrat

- designs and supervises the work of FFR
- Consensual decision making
- commissions for expert opinions, expert reports and studies
- participation in consultations to the aircraft noise commission (FLK)



Konvent

- Ca. 60 members,
including representatives of the municipalities, aviation side, citizens'
initiatives, environmental associations, business associations
- Sessions twice a year
- Advisory body (no resolutions),
discussion platform

Claim:

constructive dialogue with the region on the development of the airport
and a compensation for the region

ExpASS - expert panel for active noise abatement

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- seeks and checks measures for active sound insulation
- 15 members (municipal side, aviation industry, pilots, UNH, national authorities)
- Implementation of measures active noise protection
- Examples:
 - optimisation of start procedures
 - optimisation of flight routes
 - optimisation of approach procedures
- technical noise protection measures (e.g. Installation of vortex generators)

Umwelt und Nachbarschaftshaus (House of environment and neighbourhood)

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Konvent
Flughafen &
Region

Umwelthaus

- Founded in 2009 by the state of Hessen
- Fully financed by the state of Hessen
- Personal equipment currently 8 employees
- information Agency
- dialogue center
- monitoring Center
- office of the FFR

Tasks of the Umwelt- und Nachbarschaftshaus (UNH)



Independent, neutral
information of
municipalities, citizens
and organizations
about the airport and
the region

Monitoring/
Evaluation and
presenting the results
of the monitorings

Office of the Forum
Flughafen und
Region



Umwelt- und
Nachbarschaftshaus

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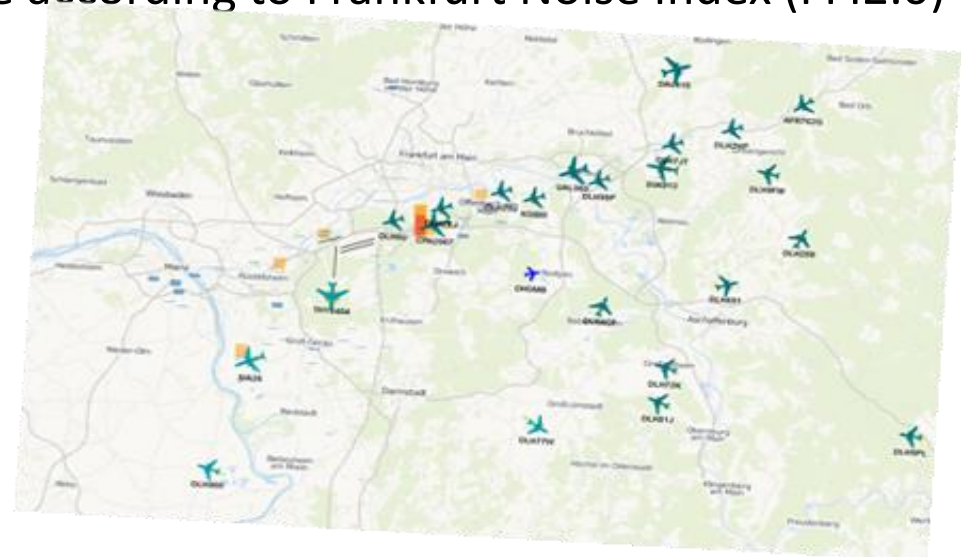
1. Office of the FFR

- Support of the FFR committees
- Press and public relations
- Supervision of the FFR website
- Implementation of the mandates of the Coordination Council (monitoring of assignments, studies, etc.)



2. Monitoring

- Noise monitoring incl. movement monitoring
 - 12 own noise measuring stations (fixed and mobile)
 - Presentation of current measurements of own stations, Fraport stations, municipal stations
 - Recording, evaluation and presentation of aircraft movements
 - Calculation of aircraft noise according to Frankfurt Noise Index (FFI2.0)





2. Monitoring

- Noise monitoring incl. movement monitoring

← → ↻ 🔒 https://www.umwelthaus.org/fluglaerm/fluglaermmonitoring/ 🔍 ☆



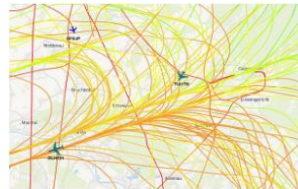
Startseite / Fluglärm / Fluglärmmonitoring

Informationen für...



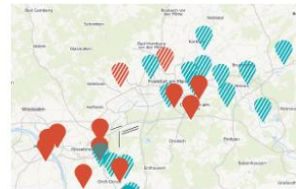
Fluglärmmonitoring

Als Monitoring-Zentrum hat das Umwelt- und Nachbarschaftshaus den Auftrag, die Entwicklung des Fluglärms zu beobachten, zu dokumentieren und der Öffentlichkeit zugänglich zu machen. Dieser Aufgabe kommt das **UNH** mit einem umfangreichen Monitoring-Programm nach.



Fluglärmmonitoring

Hintergrundinformationen



Fluglärmmonitoring

Lärmessstellen des UNH



Fluglärmmonitoring

Entwicklung des Frankfurter Fluglärmindex



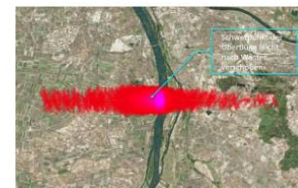
Fluglärmmonitoring

Monitoring der Flugbewegungen



Fluglärmmonitoring

Fluglärmkonturenkarten



Fluglärmmonitoring

Sonderauswertungen

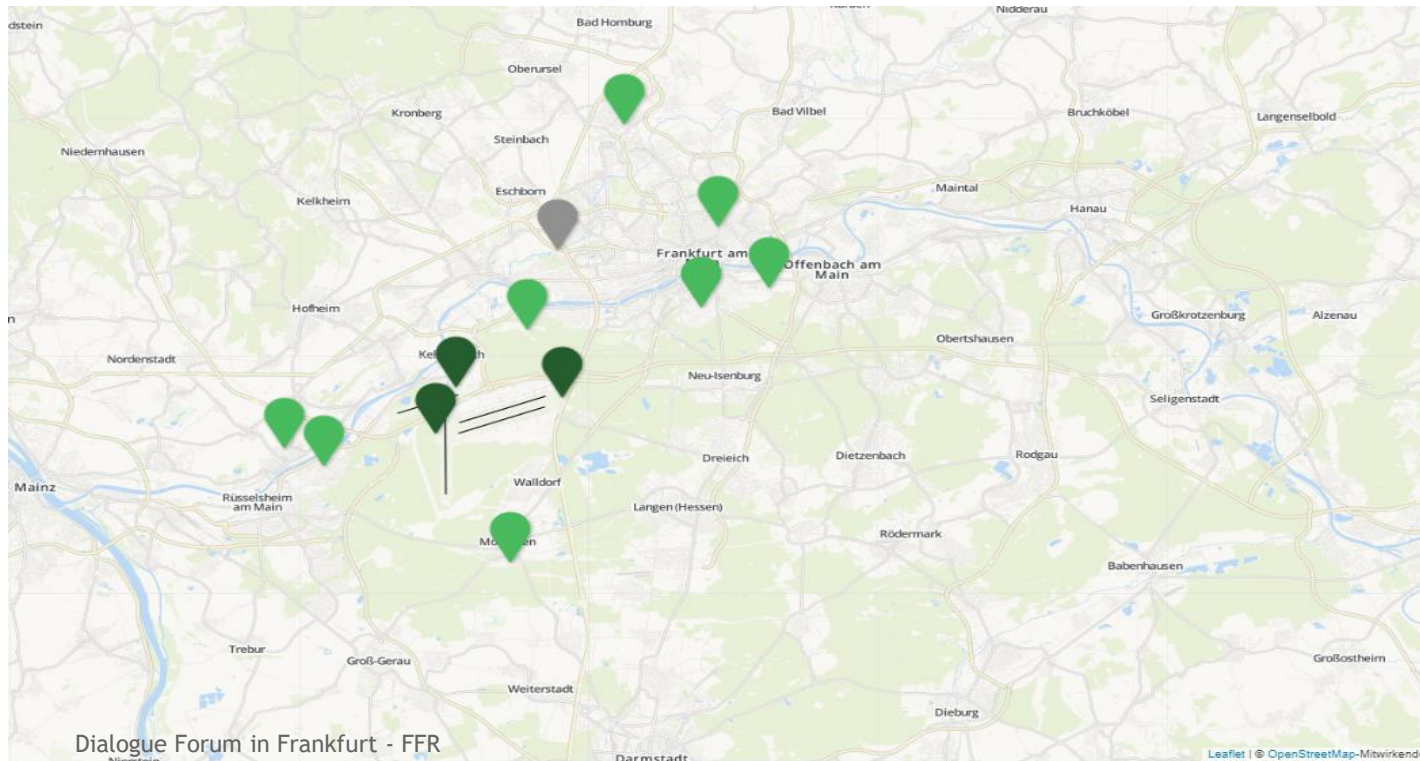


2. Monitoring

- Pollutant monitoring, especially ultra-fine dust [UFP]
 - conducted by hessian authority for environmental
 - Support of measurements of ultra-fine dust concentrations in the region of the airport (assumption of running costs and provision of measuring stations/accessories and UFP measuring devices)
 - Objective: To obtain knowledge regarding the concentration, size and composition of UFP and to research the influence of overflights on UFP pollution in the region of the airport.

Ultrafine Dust – overview of the measuring stations

<https://www.umwelthaus.org/umweltmonitoring/ultrafeinstaub>



✓ Luftmessstationen

✓ Luftmessstationen ohne UFP-Messungen

✗ Stillgelegte Stationen



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2. Monitoring

- Social monitoring
 - Ongoing exploration with the aim of to record negative and positive changes in social/population structure and communal development as effects of the airport, and
 - to determine suitable measures and indicators as well as the effort required to be able to set up a social monitoring system for the airport region, if necessary



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3. Information

- Independent and neutral information
 - Monitorings on various topics
 - Operation of a multimedia, interactive exhibition
 - Organising events on topics related to the airport
 - Operation and continuous further development of the information offered on the Internet



Dialogue Forum in Frankfurt - FFR

Some examples for current issues - Ultrafine-dust-study

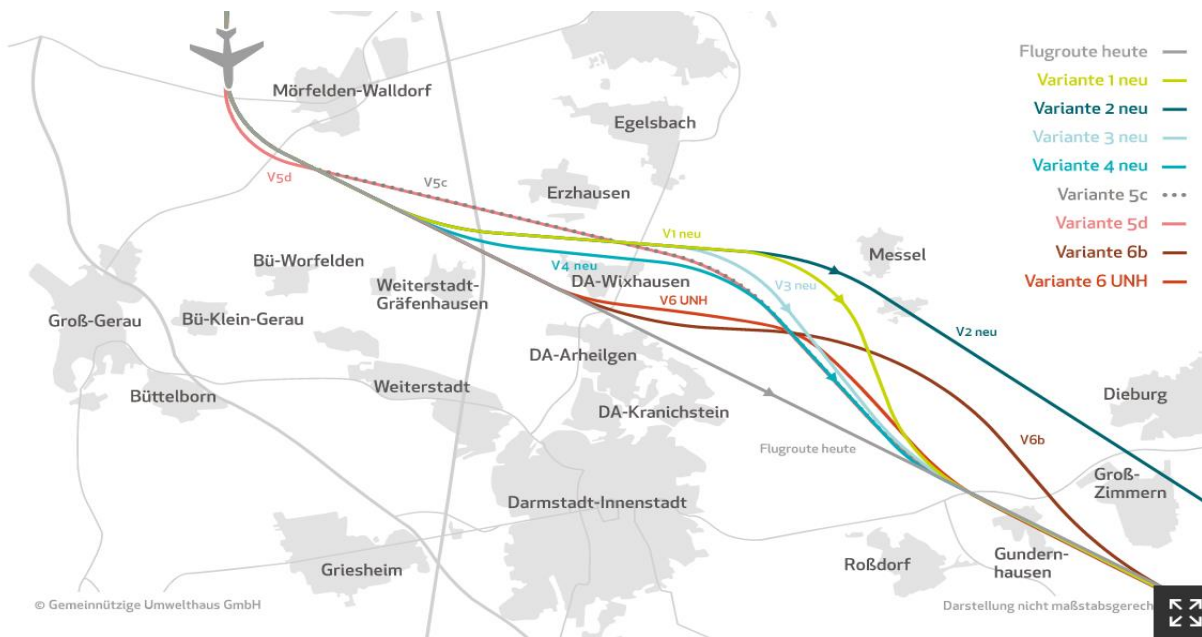
- By taking up an issue that is of great concern to the population and the public in our region a large study on the impact of ultra fine dust and the influence of the airport is being prepared.
- Two-day Public Expert hearing in 2019
(<https://www.umwelthaus.org/umweltmonitoring/ultrafeinstaub/expertenanhoerung/>)
- The study will be focused on the exposure and effects of ultrafine dust
 - The study will be divided into a stress study and a subsequent health study.
- the whole study will take up to six years
- The process and the communication of the upcoming results must be well prepared.

Some examples for current issues: Consultation AMTIX-kurz

- In cases of noise relocation a consultation procedure has to be conducted (together with FLK)
 - the responsible authorities, the people and representatives of the surrounding communities participate
 - with the opportunity to share their opinions, concerns and ideas considering the flight path change.
- The decision making process should be transparent
- The consultation has no decision-making authority and serves only for further consideration in the FFR bodies and the FLK.
- These principles were applied for the first time to the potential relocation of the flight path AMTIX-kurz

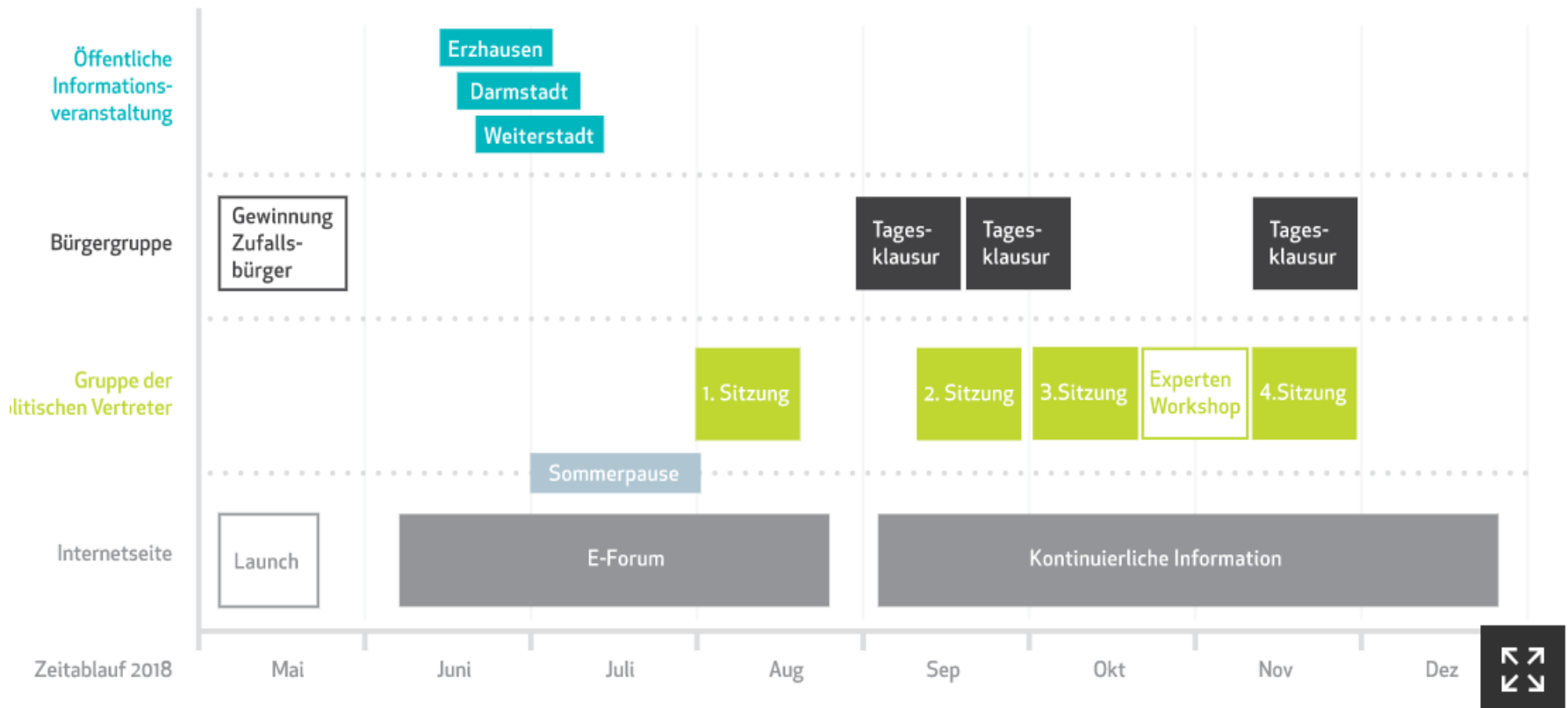
Some examples for current issues: Consultation AMTIX-kurz

- The idea was to optimize flight path to the north in order to relieve the densely populated part of Darmstadt from noise. At the same time, the aircraft noise impact on people in the less densely populated areas would increase.



Some examples for current issues: Consultation AMTIX-kurz

Process structure of the consultation procedure





Thank you for your attention

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www.umwelthaus.org

www.forum-flughafen-region.de