



WORLD CITIES



APPROACHES AND POSSIBLE PROJECTS



APPROACHES AND POSSIBLE COOPERATION PROJECTS

Approach I: Urban Design – Smart Cities

Approach II: Urban Planning and Mobility

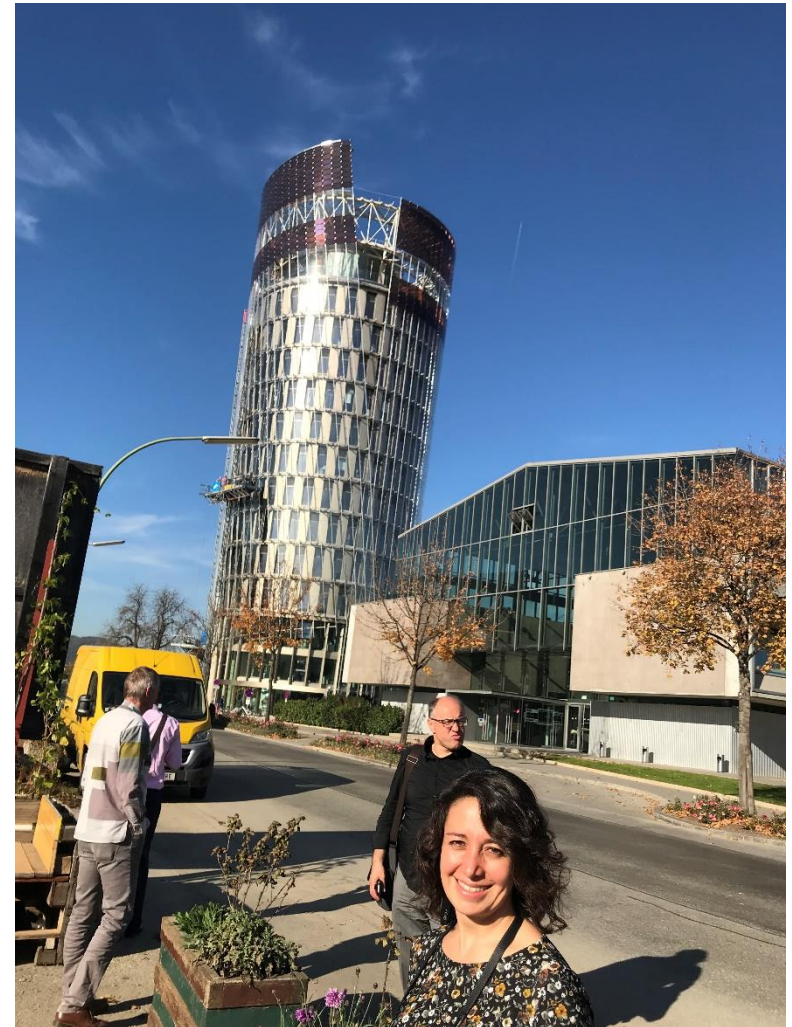
**Approach III: Spatial Planning on regional
level**

**Approach IV: Green Tech Cluster
Development**

APPROACHES AND POSSIBLE PROJECTS

URBAN DESIGN – SMART CITIES

- Forcing energy optimised building structure
- Urban mixed used zoning categories
(housing, offices, supermarket, schools, kindergartens)
- Protection of green space and creation of attractive public space
- Early stage of participation of local stakeholder and citizens



Aerotropolis Economic Civic Hub - Kempton Park





APPROACHES AND PROJECTS

URBAN PLANNING & MOBILITY

Aerotropolis Economic Civic Hub - Kempton Park



EKURHULENI KEMPTON PARK
MODEL
SCALE 1:250

[illegible]

APPROACHES AND PROJECTS

URBAN PLANNING & MOBILITY

Know how transfer Project E-Mobility, Multimodality

- Facilitate switch from private cars to alternative forms of mobility (public transport, biking, car-sharing, micro-public transport, walking)
- Multimodal nodes in the Metropolitan Area: Analysis, Concept, Implementation



APPROACHES AND POSSIBLE PROJECTS

URBAN PLANNING AND MOBILITY

BRT ROUTE

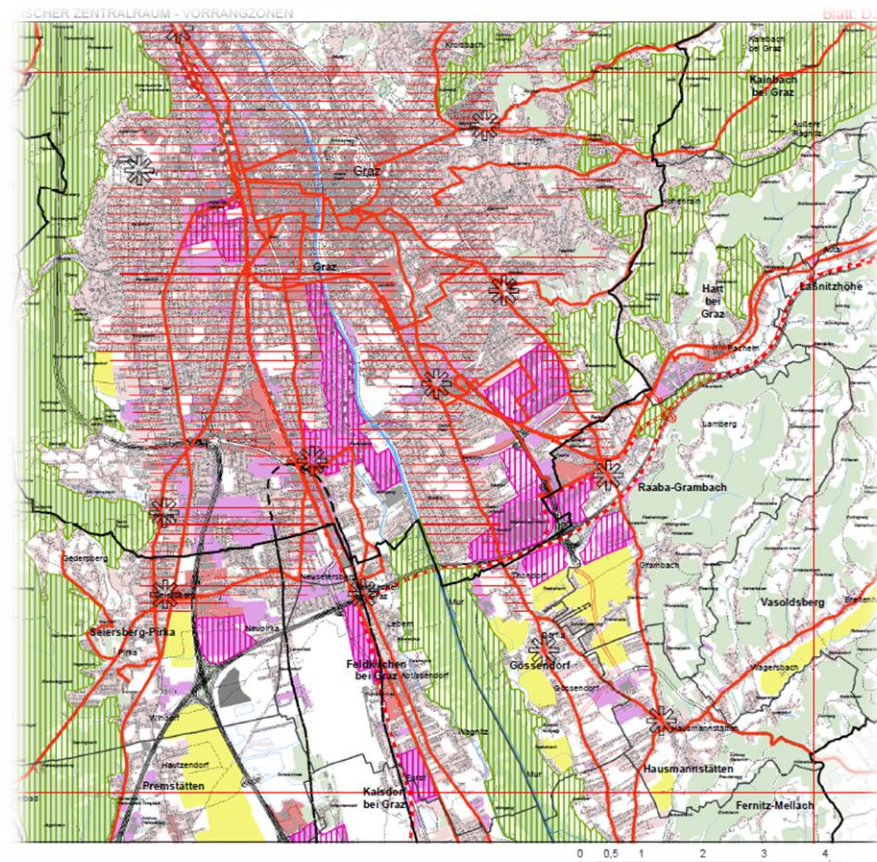


APPROACHES AND POSSIBLE PROJECTS

SPATIAL PLANNING

Regional Development Program

- Balancing various interests between conflicting subjects
- Definition of important socio-economic centres
- Setting out focus for further spatial development
- Defining priority areas for industry and commerce, agriculture, residential areas, green zones.



APPROACHES AND POSSIBLE PROJECTS

SPATIAL PLANNING

Regional working program:

VISION: ORGANIZE DYNAMICS

4 core themes

1

**Regional
cooperation**

2

**Business- &
research
locations**

3

**Mobility and
environment**

4

**Quality of life
& common
welfare**

Budget: **3,5** million € per year

Aerotropolis Economic Hub



5km, 10km and 15km radius



Metro core



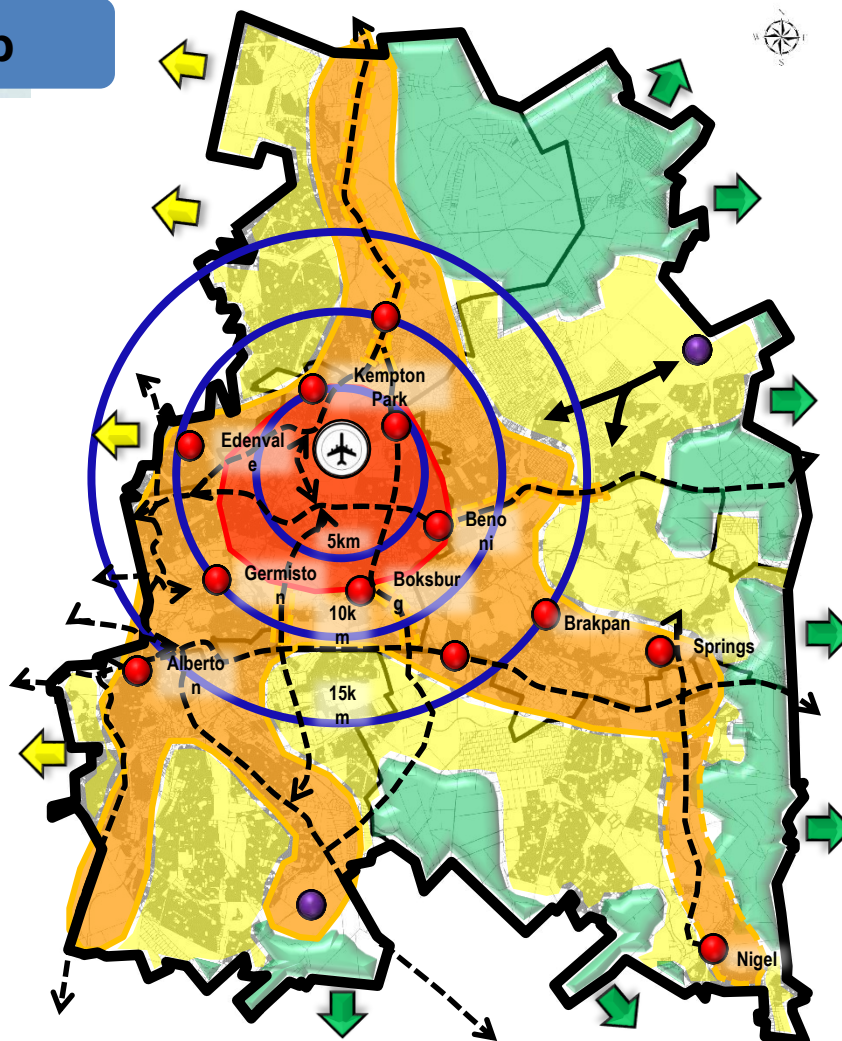
Core support zone (nodes and corridors)



Urban support zone



Rural / agricultural zone



AEROTROPOLIS ECONOMIC HUB

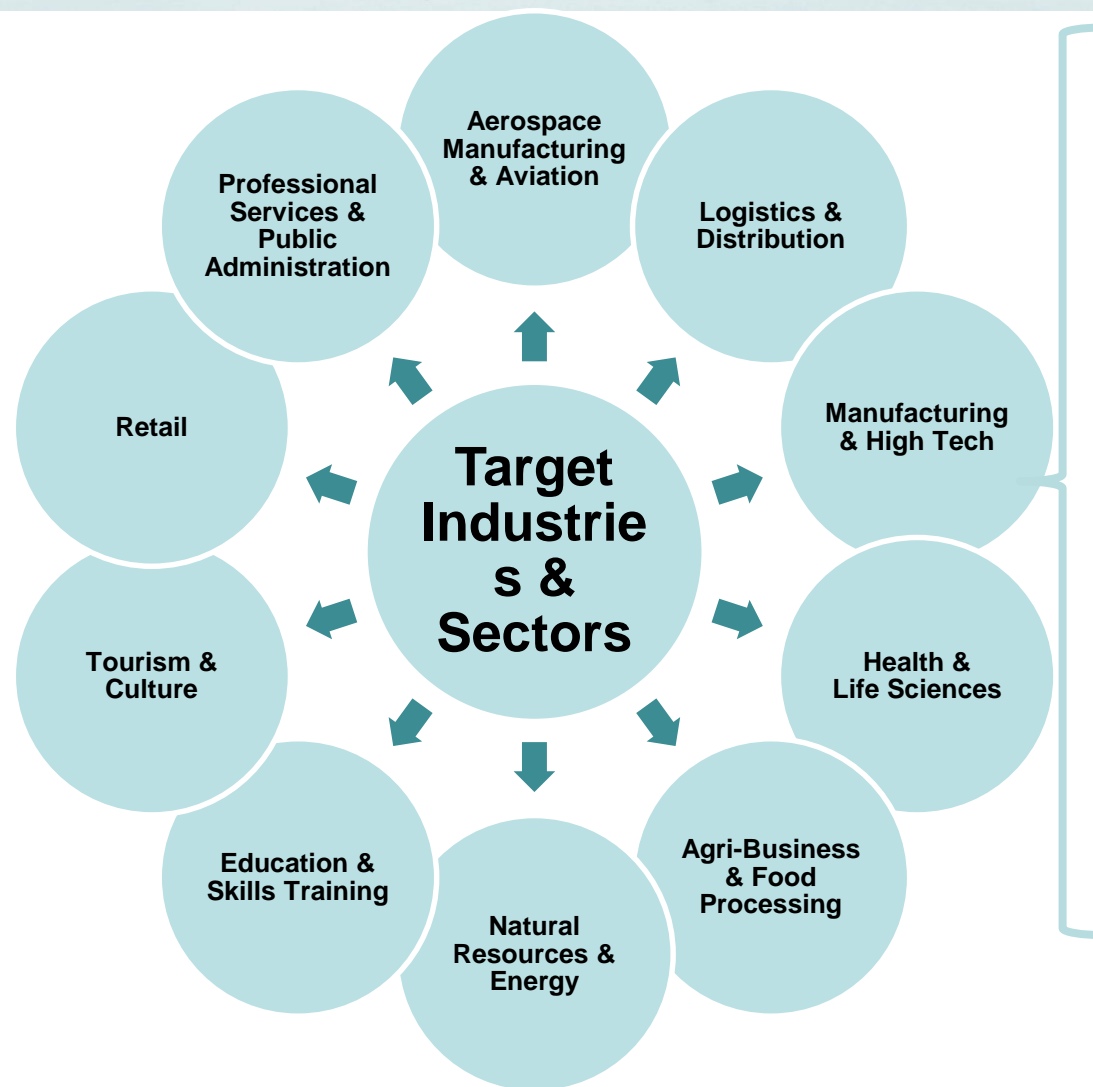


An aerotropolis is a city in which the layout, infrastructure, and economy are centered around a major airport. Ekurhuleni Metropolitan Municipality has worked hard toward realizing this dream for businesses, airport companies and citizens alike. In an aerotropolis you can expect greater opportunity as proximity to O.R. Tambo grants you a ground-to-air shipping network, accessibility and seamless integration. It's a subject that deserves attention which is why we're inviting you to an informative talk with Prof. Kasanda, a well known expert of aerotropolis methodology.

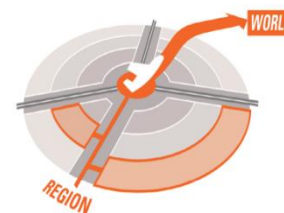
Date: 12 – 18 July 2011,
Venue: Emperor's Palace
When we work as one, we become legends.

Ekurhuleni, building an aerotropolis together

AEROTROPOLIS ECONOMIC OPPORTUNITIES



Produce & Export



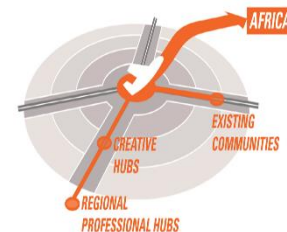
Transshipment



Value Add



Service Provider



Import & Distribute



- Activity Nodes & Hubs
- Transaction Flow
- Source Region
- Transportation Corridor
- Logistic Corridor
- Research & Manufacturing Regions
- Manufacturing Regions
- Agribusiness Regions



Green Tech Cluster

World's 1st in Green Tech

205 Members (Resources, Energy, Building, ...)

Representing the location Styria in the field of green technologies

Project partner for the city of Graz in Smart City projects

We got invited by the city of Graz to join the World Cities project to bring in a direct link to Styrian green tech companies

INTERNATIONAL CLEANTECH NETWORK (ICN)



INTERNATIONAL
CLEANTECH
NETWORK

Global Cluster-Alliance with 12 Cluster

- Information Exchange
- “Services like home”
- ICN-Passport (Office-Space)



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AGRI WATER CHALLENGE



We got into contact with Advantage Austria Johannesburg and could activate Styrian companies to apply for the AGRI Water Challenge.

- Two Styrian companies were finalists and were invited to present their solutions two weeks ago in Cape Town.
- We could also establish a meeting between Fluvicon and Green Cape to present their technology for another water challenge regarding cape regions water crisis.

PROSPECT FUTURE COOPERATION

- Cooperation between the Clusters and therefore between companies in Styria and the cape region got strengthened for future cooperation and common projects.
- Directs contacts have been established
 - VTU Engineering, Ferodecont, i-n-stein (Green Tech Innovators Club)
 - SOLID, SFL Technologies (Company visits)
 - Fluvicon, JR AquaConSol (AGRI Water Challenge)

Approach IV: Green Tech Cluster Development in Ekurhuleni / Gauteng

- Support by Green Cape and the Green Tech Cluster



RELATED ACTIVITIES IN GRAZ



- Company visit SFL-Technologies
- Company visit SOLID
- Green Tech Innovators Club
 - Chances for cooperation in South Africa
 - Several companies approached Jarrod for exchange



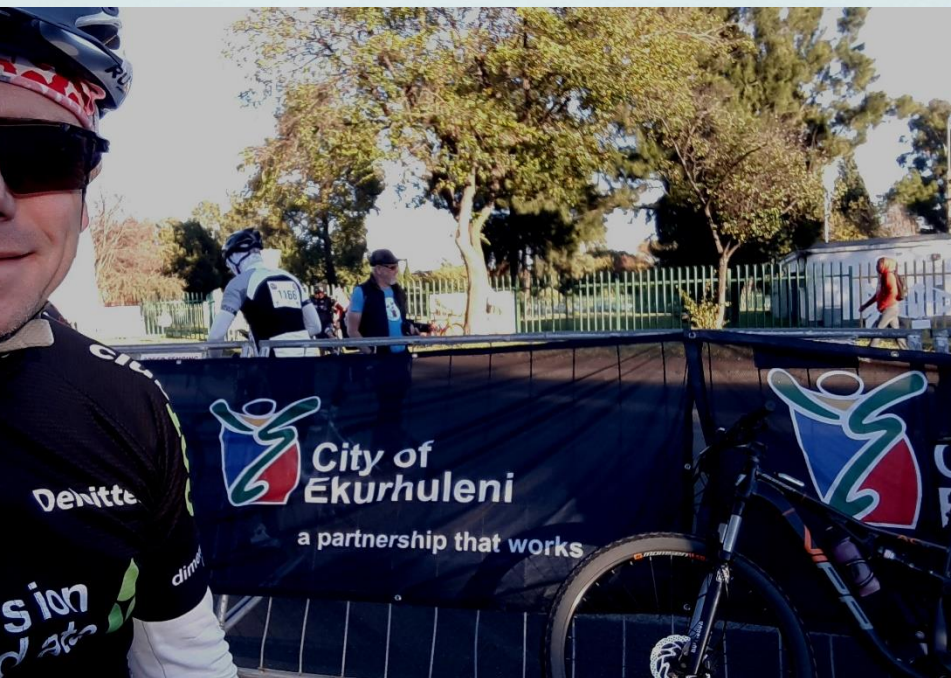


IMPRESSIONS EKURHULENI





IMPRESSIONS EKURHULENI





IMPRESSIONS GRAZ



THANK YOU
FOR YOUR
ATTENTION !

