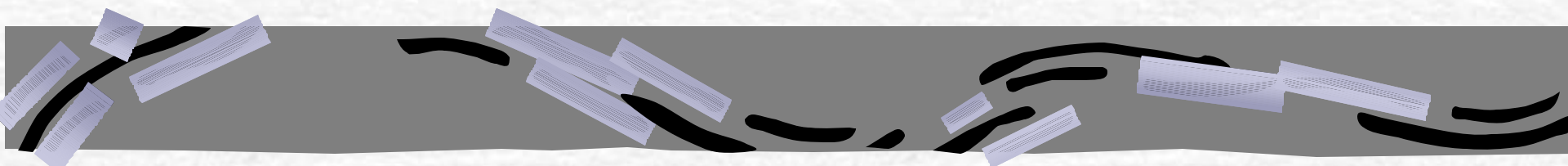


Ralf Aschemann, An !dea, Graz (Austria)



Local Agenda (LA) 21 of Graz City: The Development of its Indicators

Presentation for the
24th IAIA meeting in
Vancouver, B.C.,
CANADA

April 26, 2004

An **!**dea

Austrian Institute for the Development
of Environmental Assessment





Introducing *An Idea*

- 1st Austrian NGO dealing exclusively with EIA, SEA; EA as **key task** for the 21st century
 - Application, evaluation, quality insurance and development of **EA instruments**
 - Embedding EA into the crucial **conceptions** of sustainable development and integration of the environment into all sectors of policy
 - Special attention to EU **accession/new member countries** (1 May 2004) and networking, exchange
- 

Presentation's outline

- ✓ **Description** of the Local Agenda 21 Graz
- ✓ Sustainability **indicators** of LA 21 Graz
- ✓ **Evaluation** of LA 21 Graz 1999/2000
- ✓ Preparations for the **second evaluation 2005**
- ✓ Concluding remarks
- ✓ **Acknowledgements:** Min. of Science, Province of Styria, Graz City - Environmental Authority

Stadt

G R A Z

Umweltamt

bm:bwk



Das Land
Steiermark



Introducing remarks

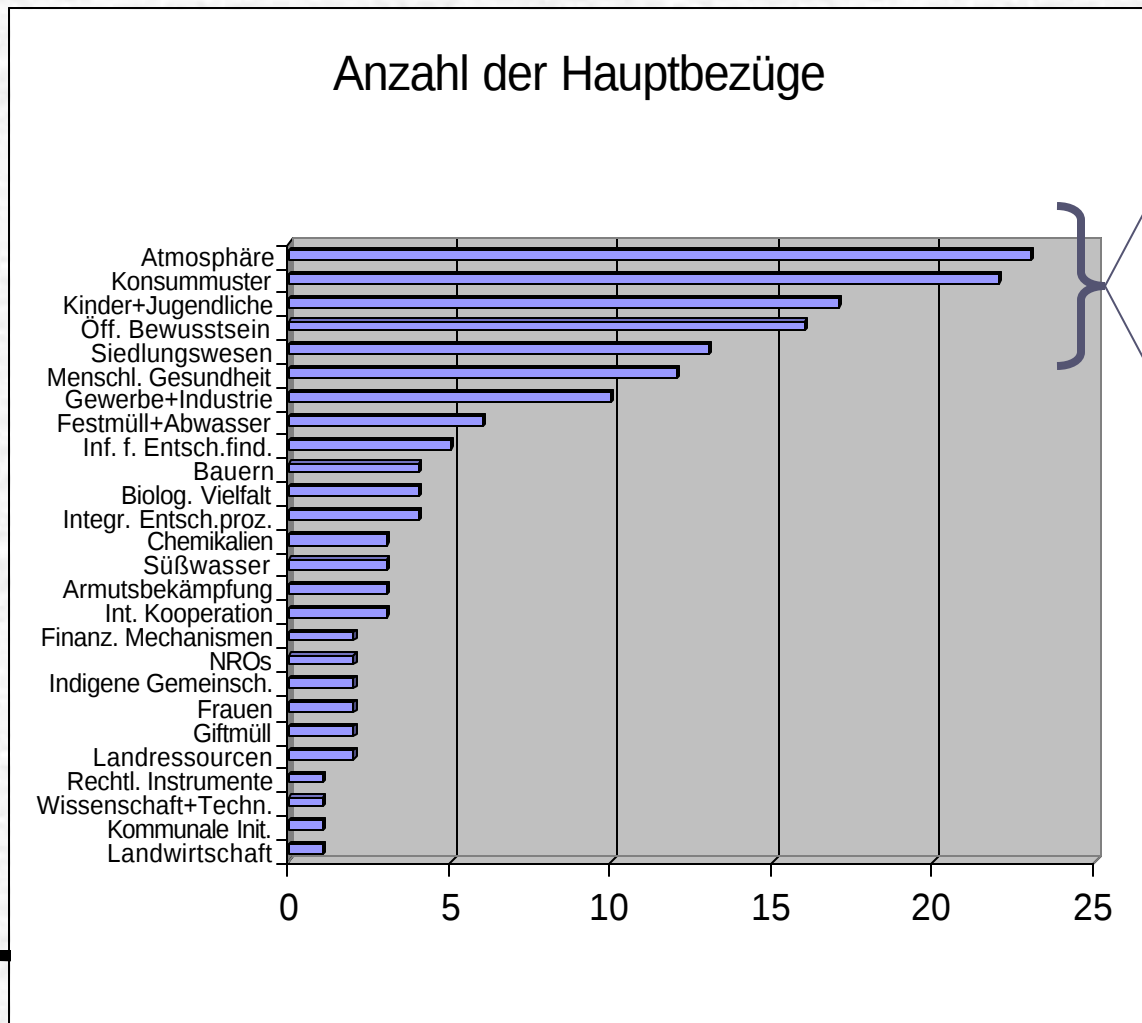
- ✓ Basis of LA 21: **Chapter 28** of Agenda 21, UNCED Rio de Janeiro 1992, supporting Agenda 21 at local level
 - ✓ → ICLEI (<http://www.iclei.org>), Ålborg Initiative, ...
 - ✓ LA 21 Graz: **Unanimous** decision of Graz City Council on 6 July 1995; 2nd largest Austrian city; 250,000 inh.
 - ✓ 8 sections, **23 quantitative indicators**, evaluated regularly, mainly environmental programme
 - ✓ **Action programme** (224 measures, actors, time frames, targets) exists
 - ✓ **European Sustainable City Award 1996** amongst Albertslund, The Hague, Dunkerque, Leicester
- 



Introducing remarks (2)

- Setting up of an special LA 21-coordinator in the Environmental Authority of the City
 - LA 21 Graz = 164 measures, e.g.:
 - Local Energy Plan
 - Local Economy Conception
 - Noise mitigation programme
 - Municipal transport guidelines
 - “Eco profit” programme (copyright, like EMAS, spread meanwhile to China, Tunisia, Russia, ...)
 - Small measures like enhancing children’s environmental awareness, Climate Alliance, ...
- 

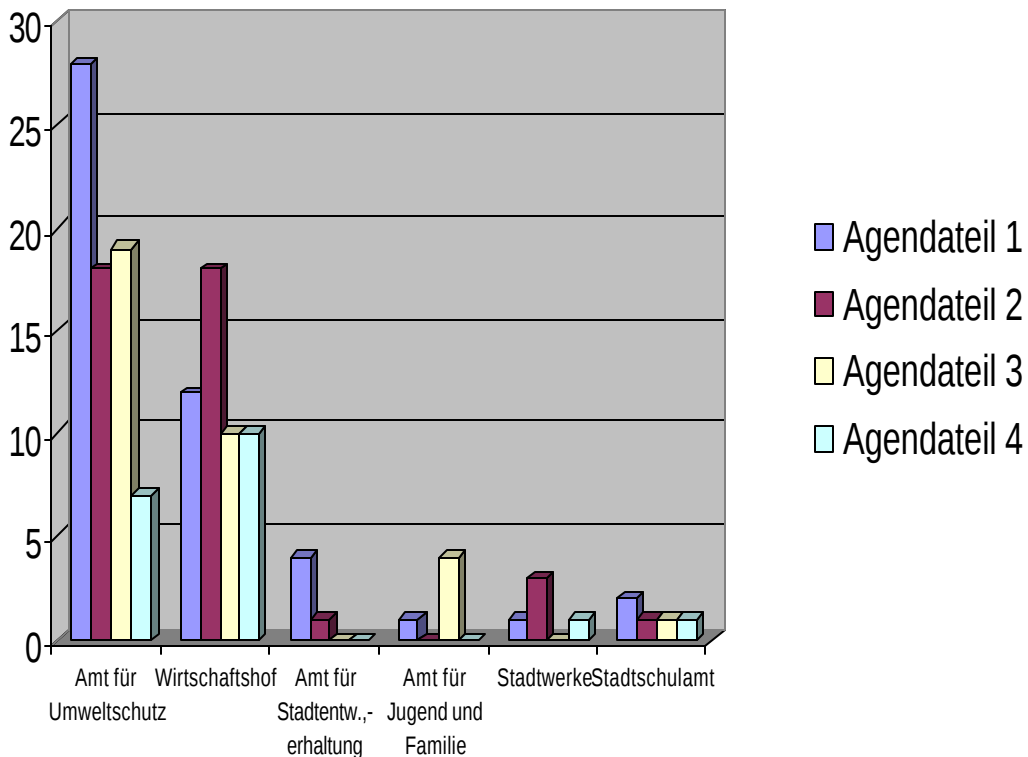
LA 21 Graz: Number of relations to Agenda 21



Atmosphere, patterns of consumption, young people, public consciousness, settlements, human health

LA 21 Graz: Actors

Hauptakteure und zugeordnete Agendateile



Env. authority, municipal firms (2), city dev. authority, youth and family authority, school authority

1: social and economic issues, **2:** resources, **3:** societal groups, **4:** means for implementation

LA 21 Graz: Indicators

Sector (indic.)	Indicator ex.	Goal for 2000
Air (5)	NO _x emission	- 60% (1988)
Soil (1)	Buildings on area	No growth
Water (2)	Drinking water	- 5% (1993)
Energy/climate (3*)	CO ₂ emission	- 20% (1987)
Noise (1)	Length > 65 dB(A)	- 10% (1994)
Transport (4)	Public transport	+ 10% (1993)
Waste manag. (4)	Industrial waste	- 30% (1993)
Nature (3)	Nat. prot. areas	+ 30 ha (1994)

Evaluation of sust. indicators

- Only **a few** examples, yet
- LA 21 Graz evaluation done 1999/2000 with **participation** of qualified public
- Evaluation **doesn't mean** evaluation of process

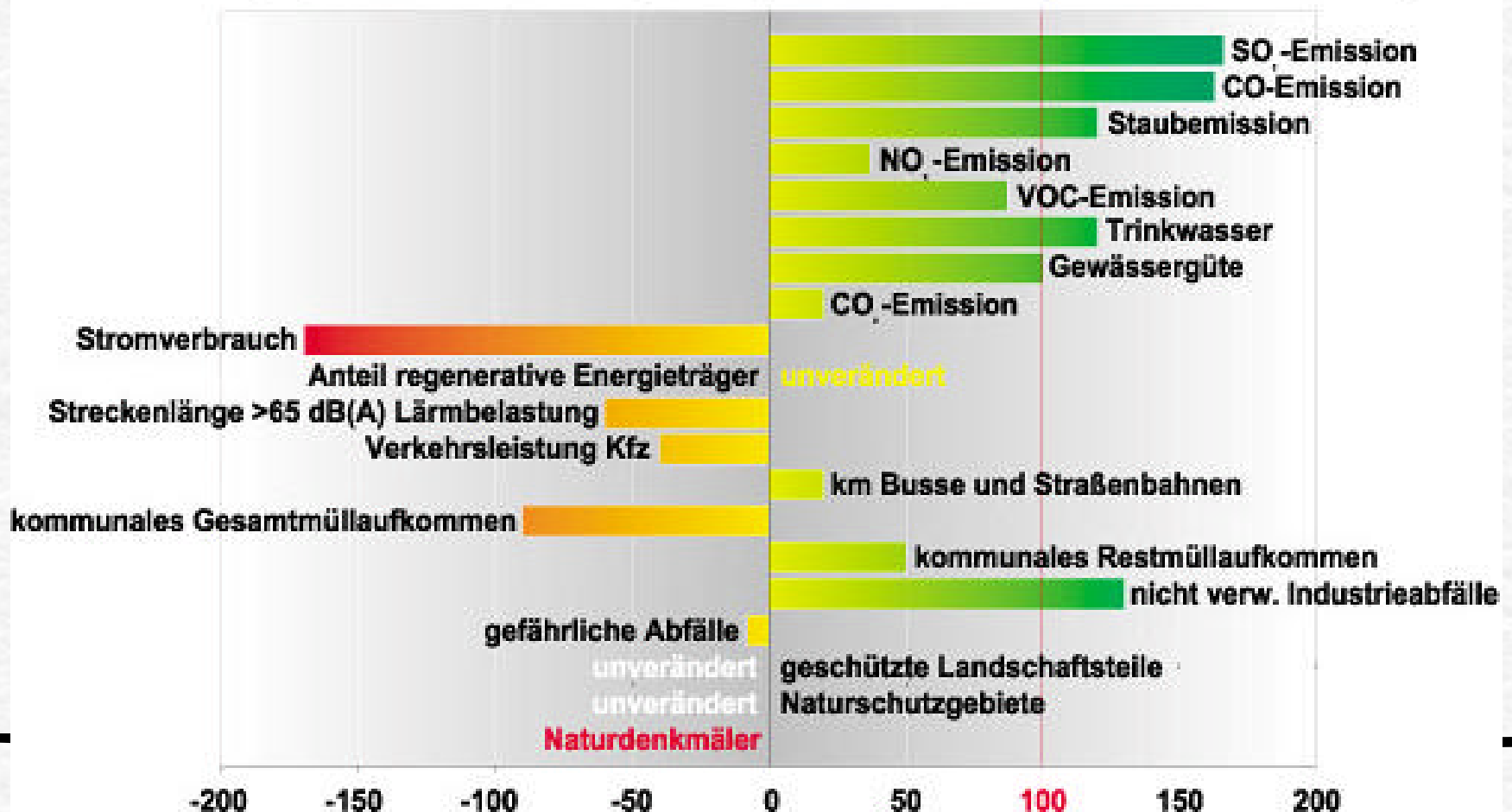


Main results of 1st evaluation

Sector	Evaluation results	
Air quality	2* +, 3* ++	
Soil		1* -
Water	1* ++, 1* +	
Energy/Climate	1* +, 1* 0	1* -
Noise		1* -
Transport	1* +	3* -
Waste manag.	1* ++, 1* +	2* -
Nature	2* 0	1* -

Main results of 1st evaluation

Erfüllungsgrad der Nachhaltigkeitsparameter in % (Ziel erreicht = 100%)





Activities for 2nd evaluation 2005

- ☞ **Public report** on first evaluation March 2000
 - ☞ **Recommendations** from this report
 - ☞ **Activities** on “red list” results like “GOAL”
 - ☞ Reforming **administrative** structure
 - ☞ **Scope of indicators**
 - Environmental ones (e.g. PM₁₀)
 - Social and economic ones
 - ☞ **Ongoing interviews**
- 

Proposal for new indicators

Economic	Social
Unemployment rate	Share of poor inhabitants
Municipal debt / inh.	More or less inhabitants
Number EMAS firms	Internet access / 1,000 inh.
Tax revenue / inh.	Criminal offences / 1,000 inh.
MGP / inhabitant	Difference income men/women



Concluding remarks

- ☞ Taking **new research results** into consideration
 - ☞ Introduction of indicators related to human health → *health impact assessment*
 - ☞ Municipal sustainability policy **despite** of shrinking budgets
 - ☞ Use of **quantitative** indicators in order to measure progress/set-backs of sust. policy
 - ☞ **Linking** together LA 21 and national SD strategies (EU SD strategy)
- 

