

Environmental stewardship as a part of corporate responsibility

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Holcim, Croatia



Holcim – An Overview

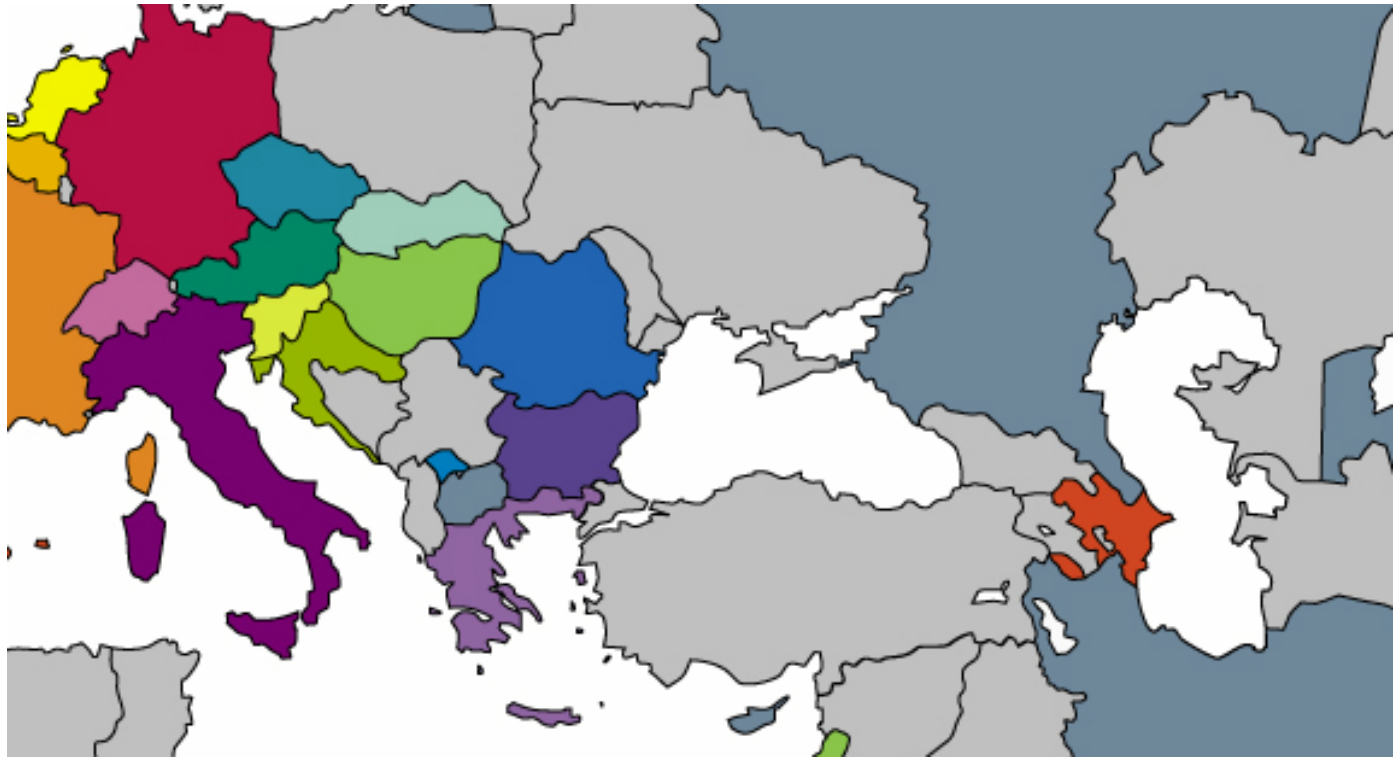
- 
- Cement, ready-mix concrete, aggregates
 - More than 48'000 employees with passion for performance
 - Present in over 70 countries

Strength.

Performance.

Passion.

Holcim in Central and South-Eastern Europe



Holcim has invested over the last 12 years over 600 Mio EUR into Central and South-Eastern Europe of which over 150 Mio EUR were used to improve the environmental performance of our operations.

Improving the Environmental Performance



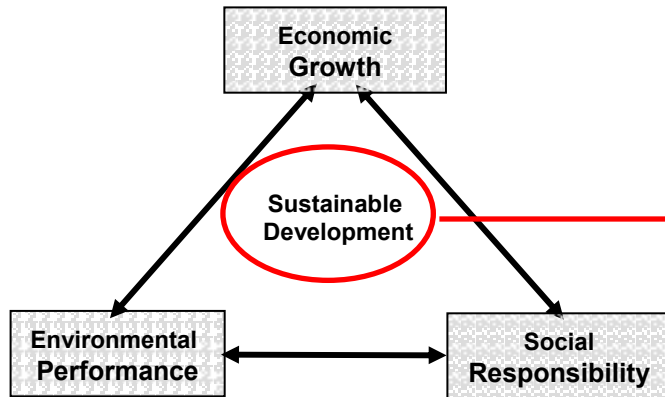
Triple bottom line



**Sustainable
Development**



Sustainable Development – Our Commitment



- **Member of WBCSD**
- **Corporate SD report (2002)**
- **Cement Sustainable Initiative**

Ecological Impact

Dust / PM10

NO_x

millions of tons of raw material
used every year

CO₂

HM

SO₂

110 kg of coal/ton of clinker

VOC

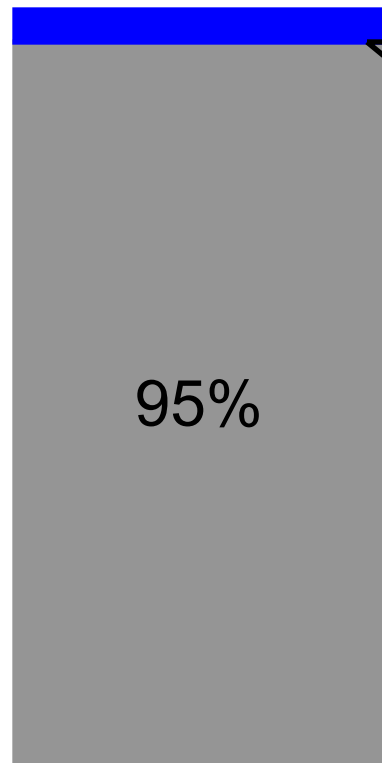
Dioxins and Furans

110 kWh/ton of cement

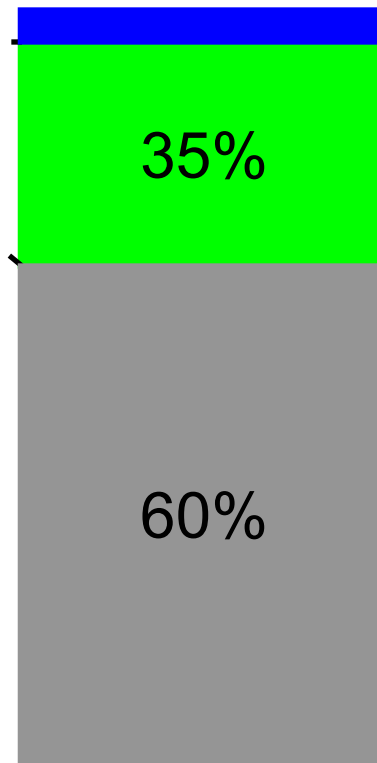
Noise

Reducing CO2 Emissions – Saving Resources

Ordinary Portland Cement (OPC)



Composite Cements



gypsum

fly-ash

blast furnace slag

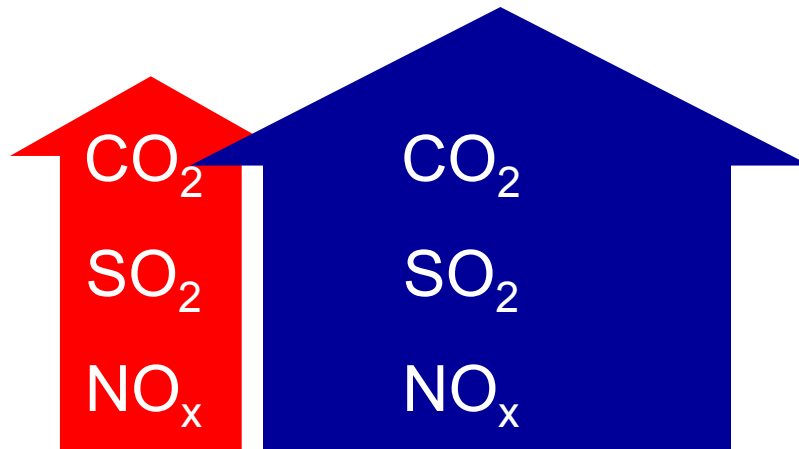
limestone

puzolanic material

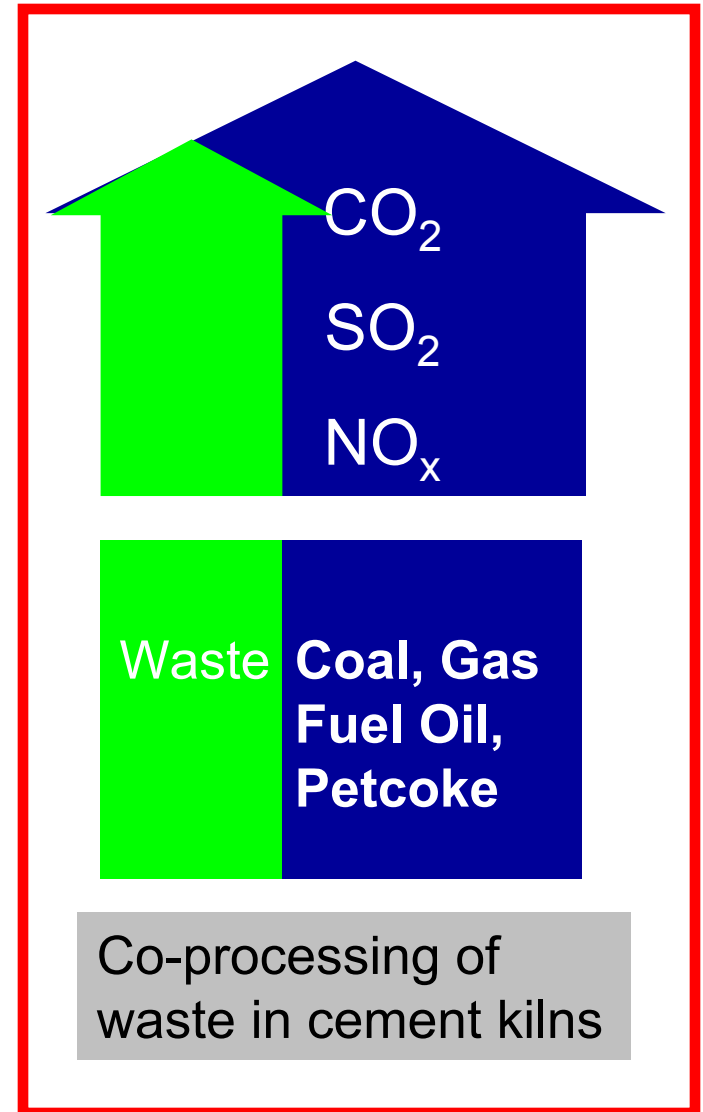
clinker

- 20% of CO2

Reducing Emissions – Co-processing



Incineration of waste plus cement kilns



Co-processing of waste in cement kilns

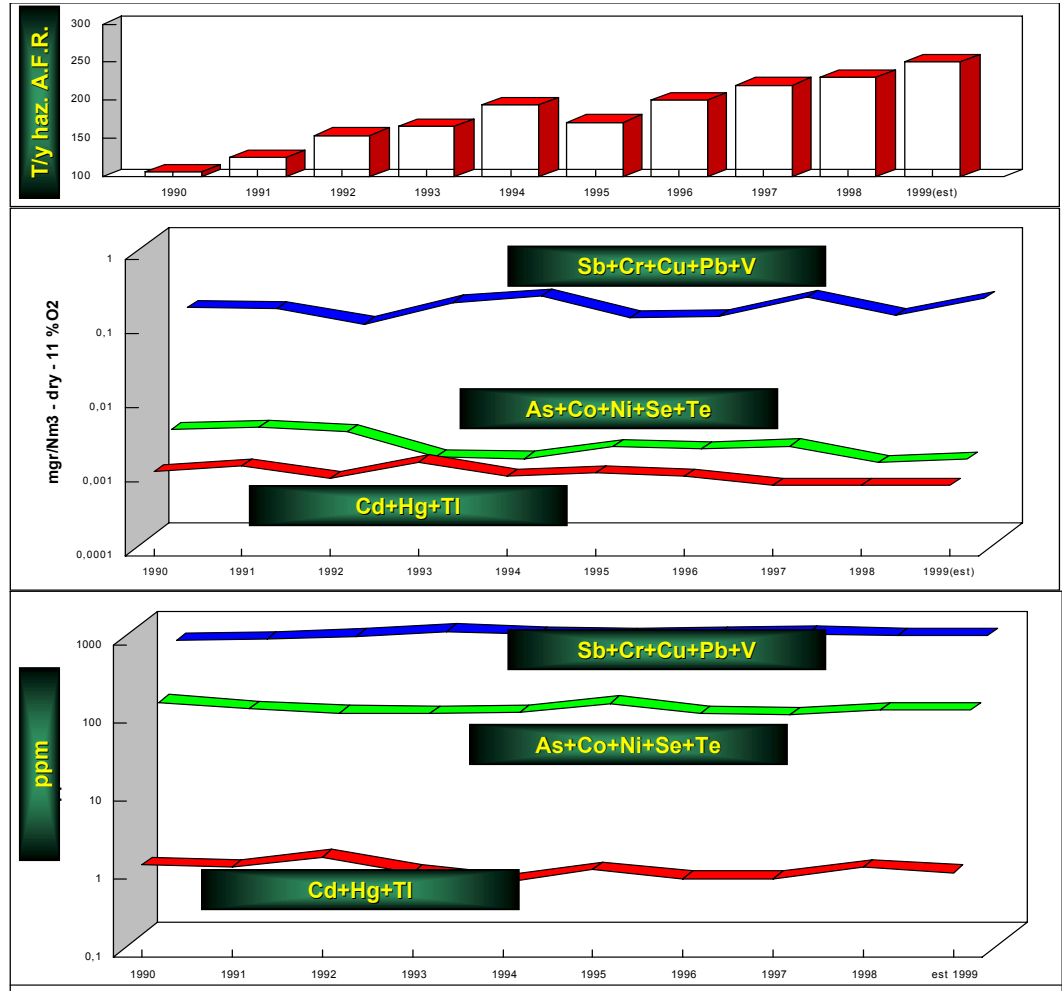
Principles of Waste Co-Processing

ZERO impact...

... on emitted gases

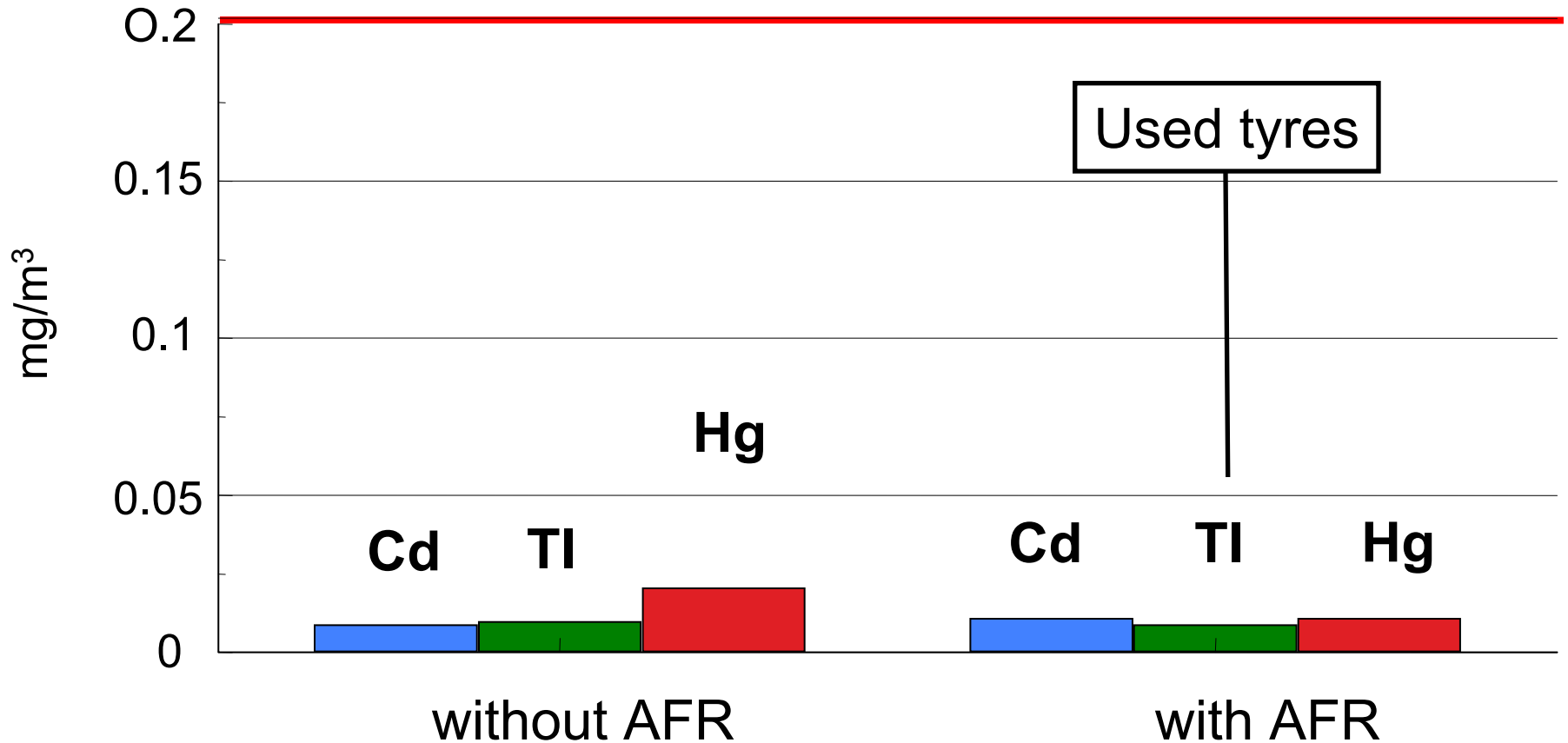


... and on products

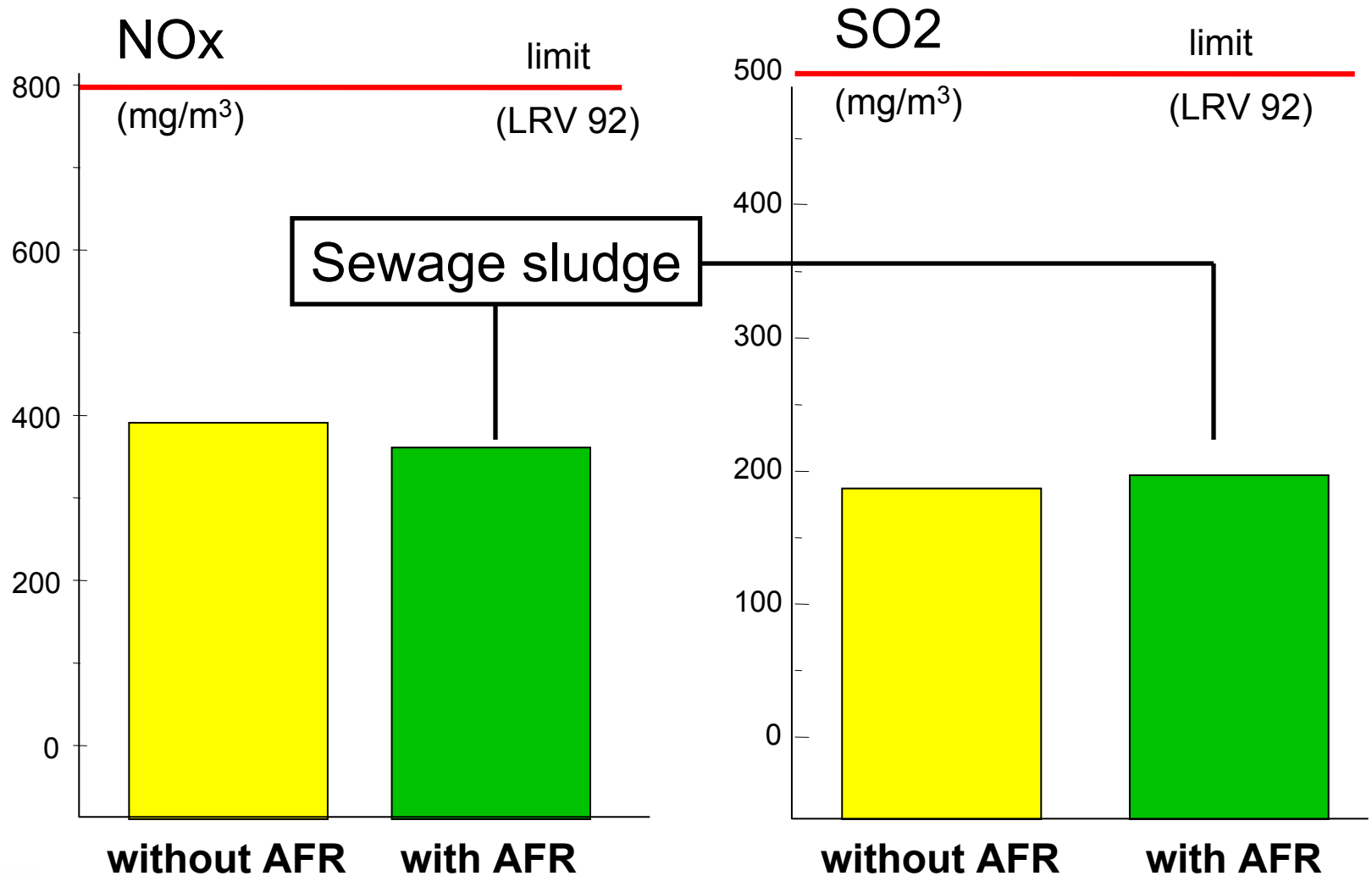


Emissions with / without Co-Processing

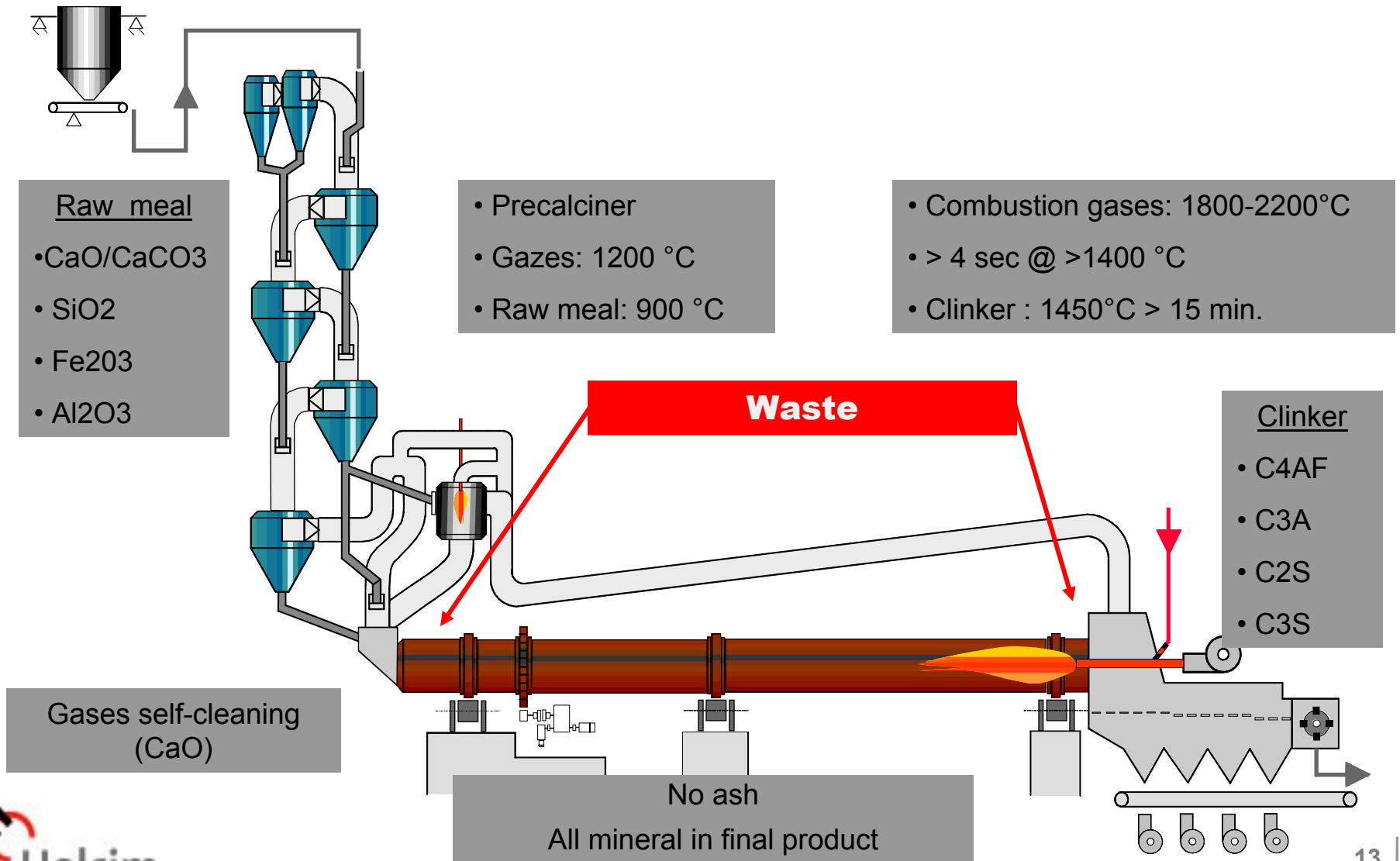
E- limits (sum Cd, TI, Hg) LRV 92



Emissions with / without Co-Processing



Waste Co-Processing in Cement Kilns



Waste Management – Much to be done



Dialogue with Stakeholders is Essential!

- Employees
- Local communities
- NGO's
- Schools
- Customers



NGO's - Partnership



Sixth International Symposium & Exhibition on Environmental Contamination in Central & Eastern Europe and the Commonwealth of Independent States 1-4 September 2003, Prague, Czech Republic

NGO's – Public Tender



Što je održivi razvoj?

Bezbrizna budućnost svijetu.

Osiguravanje bezbrizne budućnosti nije samo cilj. Ono je istovremeno i izazov i vizija. I ove godine Tvornica cementa Koromačno poziva neprofitne organizacije da svojim projektima pridonese ispunjavanju zajedničkog cilja.

U sklopu potpore aktivnostima za održivi razvoj u 2003. godini Tvornica cementa Koromačno raspisuje natječaj za sponzorstvo projekata u područjima:

- zaštite okoliša, i
- povećanja kvalitete života u lokalnoj zajednici*

Prispjele će projekte ocijeniti radna skupina za sponzorstva TCK prema sljedećim kriterijima: važnost projekta za okruženje TCK, kvaliteta projekta, promicanje TCK kao ekološkog i društveno svjesnog poduzeća.

Svi se projekti mogu prijaviti na sljedeću adresu: Tvornica cementa Koromačno d.o.o., Koromačno bb, 52222 Koromačno, s naznakom "Prijava za sponzoriranje - ne otvarati". Rok za podnošenje prijave projekata za financijsku potporu iz sponzorstva TCK za 2003. godinu je

11. travnja 2003. godine.



Tvornica cementa Koromačno, u većinskom vlasništvu grupacije HOLCIM, dvostruki dobitnik priznanja za zaštitu okoliša, svojim poslovanjem aktivno pridonosi održivom razvoju i poboljšanju kvalitete života u Republici Hrvatskoj.

*Tvornica cementa Koromačno, Predstavništva Zagreb, Betonara Lučka, Betonara Zabok, Betonara Karlovac, Betonara Bistra

Open Door Day



World Environmental Day (June 5th)



**People with a passion for performance
make a difference**

