



22<sup>nd</sup> WORLD MINING

CONGRESS & EXPO 2011

September 11<sup>th</sup>-16<sup>th</sup>, 2011 ISTANBUL

## ISTANBUL DECLARATION

THEME: *INNOVATIONS and CHALLENGES in MINING*

We, the participants of the 22<sup>nd</sup> World Mining Congress representing 51 countries, having energy and industrial minerals, metaliferous ores and construction materials, endorse these findings in the "Istanbul Declaration" and commit ourselves to take actions towards their fulfilment :

1. Safety and environmental-ecological factors in mining industry becoming a critical issue year by year. Therefore, more effective improvements as well as audits in mine safety should be developed paying special attention to the occupational health and safety regulations.
2. Natural resources of a country are indisputably heritage of each nation. Their proper exploitation, to the benefit of human mankind, should be realized at a sustainable and profitable level. To meet this challenge, innovative and applicable Technologies (BAT's) and techniques should be designed and successfully implemented.
3. Most raw materials' and metal prices have risen appreciably during the last three to four years. This resulted in a surge by mining companies in launching new investments for mining and processing of low grade ores even the dumped tailings as well as deep deposits – “ today's tailings tomorrow's resources!” - at the cost of disturbing the equilibrium of the environment. To prevent this, resource and waste management, including reclamation of disturbed land and rehabilitation of displaced people, must rely on non-hazardous, clean and environmetally friendly technological solutions.



4. Extraction of minerals from earth's crust mostly involves labour-intensive work, which consequently creates higher cost. In this respect, automation and monitoring techniques and use of robotics in mining, wherever practically and economically applicable should be intensified.
5. To maximize the benefits from ore processing, consideration should be given to geo-metallurgical properties.
6. Mining companies, countries and continents should be ready to sustain the continuing solidarity by establishing global cooperation, that will be increased further in the future.
7. Productive and safe mining requires qualified and educated personnel. Therefore, education as well as practical training of mining staff at every level is essential and must be the primary objective for mining companies and mining authorities.
8. The 22<sup>nd</sup> World Mining Congress, which just about finishing confirmed with its high multicultural attendance that its idea of international mutual cooperation, exchange of know-how and interpersonal contacts as well as solidarity of global mining society is still needs to be prolonged.