

European Copper Institute

2004 annual report

Copper Connects Life™

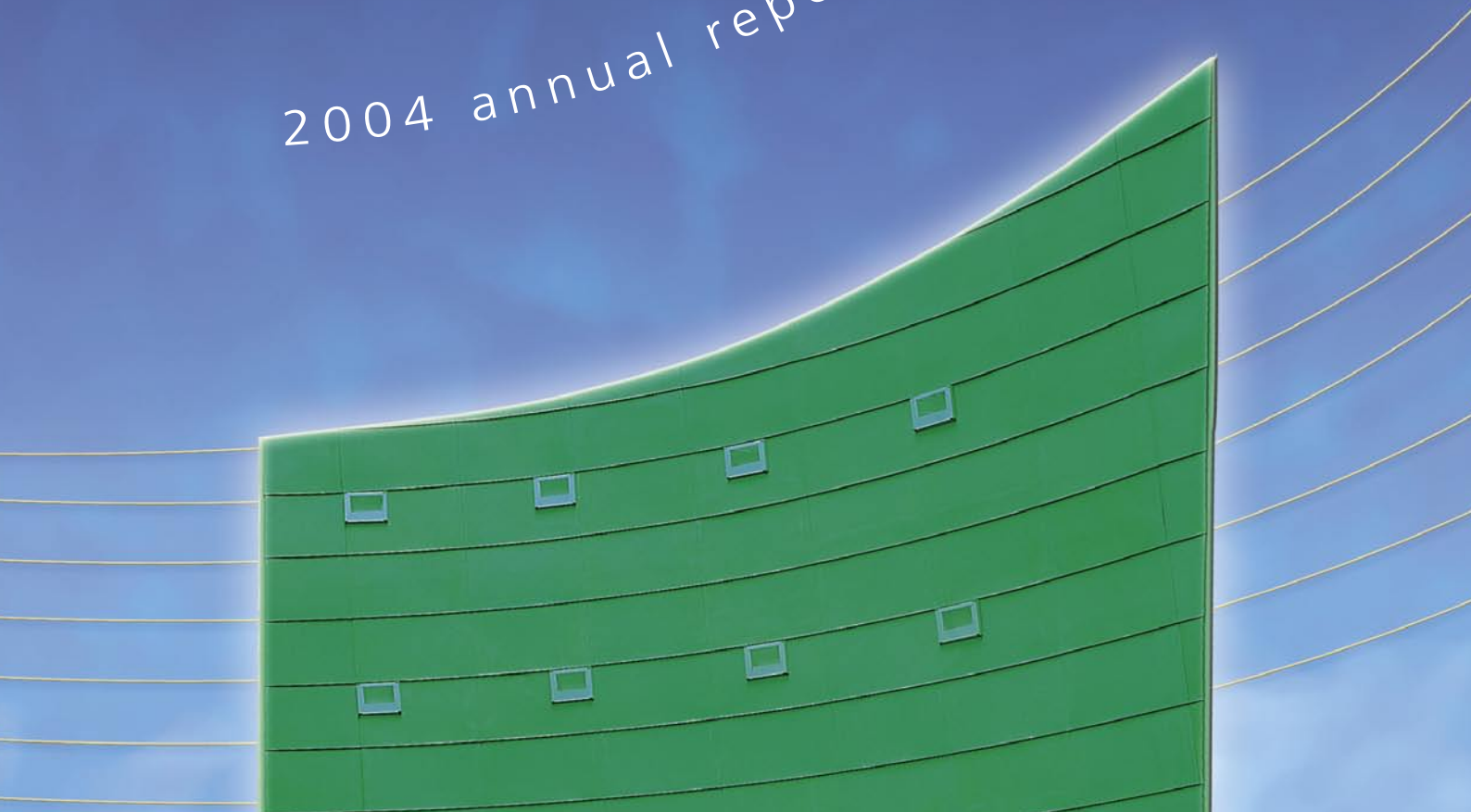


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The ECI Mission :

The European Copper Institute is a joint venture between the world's mining companies (represented by the International Copper Association, Ltd.) and the European copper industry. Its mission is to promote copper's benefits to modern society across Europe, through its Brussels office and a network of eleven Copper Development Associations.



Chairman's Message



2004 was a year of continued change in the global copper industry. Data from the International Copper Study Group showed that the global demand for refined copper reached a record high of 16.5 million tonne, 5.6% up on 2003. While demand rose by 2.1% to 3.8 million tonne in the former EU-15, higher economic growth rates in several of the new EU member states, plus Turkey and Russia, raised demand there by 16% to 1.2 million tonne. In total, the European region continues to account for 30% of global demand.

From a mining perspective, this growth in demand resulted in a significant increase in the price of metal. The industry is responding by investing in additional production capacity around the world. From a refining and fabricating perspective, higher raw material, energy and regulatory costs have increased the challenge from competitive products and have prompted further company consolidations and capacity closures.

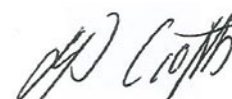
During 2004, ECI welcomed three new regional members, plus two new local members from the Russian copper industry. The latter enabled ECI to convert its Representative Office in Moscow into a national Copper Development Association, the eleventh in the region. ECI has also been highly successful in expanding its partnerships with other industrial sectors and academia. There was no better recognition of this success than the top award presented by the European Commission's Directorate-General for Education and Training to ECI for its LEONARDO Power Quality initiative.

ECI has continued to lead the industry in completing a voluntary EU risk assessment for copper metal and certain copper compounds. This has been a sizeable task, both in terms of resources and the complexity

of the process. However, this initiative, which objectively examines the impact of the copper industry and its products on the European environment and on the health of its citizens, is crucial to ensure long-term confidence in our products.

The broad range of products delivered by the copper industry not only plays a key role in strong economic development, as evidenced by the boom in China, but is also essential to sustain Europe's competitiveness. For example, copper improves the energy efficiency of our homes and industries; provides safe, long-life products for use in water and gas distribution; and improves the safety of our public and private transportation systems. Finally, EU Directives such as that on electric and electronic waste recognise that society needs to be much more committed to using sustainable products. The fact that copper products are 100% recyclable at the end of their useful life fully supports this commitment.

I would like to thank the International Copper Association and the European industry for their continued support and, on behalf of the membership, to thank the ECI and European CDA team for their achievements throughout 2004.



John P. Crofts
Marketing Director
Base Metals
BHP Billiton

Chief Executive's Message



The ECI has restructured its operations in Europe and, from January 1st 2004, began operating under these new principles. These are based on broadening industry involvement, making our system for prioritising projects and funding more transparent, and continually striving to increase our effectiveness.

ECI's industry membership has grown quickly from five to fourteen companies. These members represent a broad mix of both industrial sectors and geographical locations, moving the European Copper Institute towards its goal of being the authoritative voice of the copper industry in Europe.

A further important step was achieved with ECI's decision to become a metal group member of Eurometaux, the representative body for the non-ferrous metals industries in Europe. This has allowed ECI to become increasingly involved in shaping Eurometaux's priorities and advocacy programmes on key issues facing the copper industry, such as the European Union's proposed chemicals management policy (REACH).

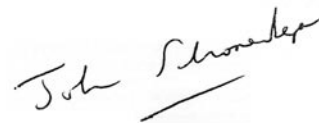
As well as increasing its membership, ECI has continued to raise its visibility through strong partnerships with other industry and regulatory bodies. For example, the ECI managed LEONARDO Power Quality Initiative now has over eighty academic and electrical industry partners; we have our first ever joint promotional project with the European cable makers through their association, Europacable; and we have further strengthened our working relationships with several member states and the European Commission through our leadership of the copper industry's voluntary risk assessment.

At national level, all the Copper Development Associations report increased involvement by the fabricating and downstream industries in their promotional efforts. This strengthens ECI's ability to position copper more effectively versus competing materials, as well as to deliver consistent messages on copper's benefits to local decision-makers.

The industry delivers products that provide real value - in economic, in environmental and in social terms - to both improving competitiveness and supporting modern living standards. Many of them will be critical if the EU is to meet its objectives in, for example, combating climate change, increasing the use of renewables and reaching its targets on end-of-life recycling.

Given these benefits, however, the copper industry will use accepted science to challenge legislative proposals that restrict market access inappropriately.

On behalf of the European network, I would like to sincerely thank our members for their continued financial and human support for our efforts.

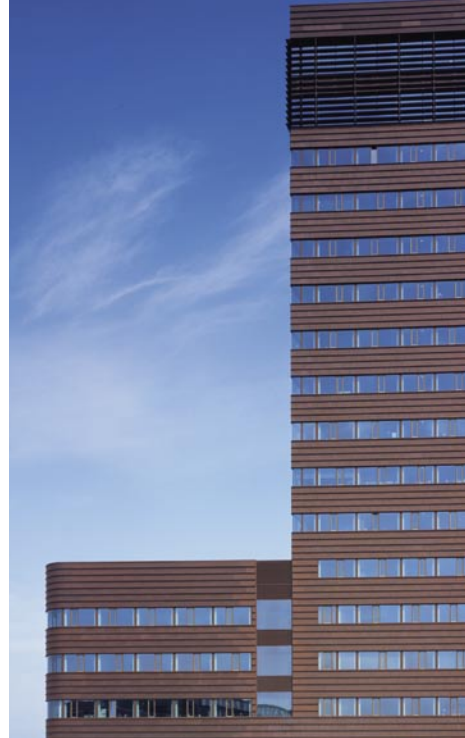
A handwritten signature in black ink that reads "John Schonenberger". The signature is written in a cursive, flowing style. Below the signature is a horizontal line, likely representing a printed name or a signature line.

John Schonenberger

Key Activities & Achievements

The ECI managed LEONARDO Power Quality Initiative, which aims to improve the quality and reliability of power supply, won a prestigious award from the European Commission. The award recognised the strong partnership built between industry and academia, the quality of the project's content and its ability to reach over 100,000 decision-makers in the electrical engineering profession.

- ECI's pan-European media relations programme generated impressive coverage in the mainstream press, through targeted media events held at member companies and the provision of information to the media. This coverage included reports on CNN, Euronews and national TV channels, radio interviews and extensive reports in the written press. Education was also a key component of the programme, with the launch of a new A level physics e-source.
- The Forum for Electrical Domestic Safety in Europe (FEEDS), comprising five large industry associations including ECI, launched a high-profile information campaign through the national Consumer Association in France. The goal is to encourage the regular inspection of homes, leading to higher standards of occupier safety and convenience. New regulatory proposals are expected from the French government in the summer of 2005.
- ECI made significant progress in leading the industry's voluntary risk assessment for copper and selected copper compounds. Dialogue was strengthened with the review country, Italy, and with the independent peer review panels. Methodologies appropriate for assessing naturally occurring metals were used to develop safe limit values for the intake of copper by humans and copper emissions into the environment.



- ECI supported the industry in increasing the demand for building construction products across Europe. Activities included the high-profile positioning of our products against alternative materials, effective interactions with regulators and standards bodies, and focused publications communicating copper's benefits to supply-chain professionals and decision-makers.
- After five years of ECI support, the United Nations has approved a contribution of \$11 million from its Global Environment Fund to stimulate demand for high efficiency motor-driven systems in Poland.
- With inputs channelled through Eurometaux, ECI actively represented the copper industry's concerns on the European Commission's proposal for improved chemicals management (REACH). ECI also played a lead role in recommending advocacy strategies targeted at the various authorities which could be taken up by copper companies based outside Europe.



Market Trends & Developments

Annual European demand for products made out of copper, or copper alloys such as brass and bronze, continues to exceed 5 million tonne. Despite the steady relocation of the customer base for many European semi-fabricated producers to Asia, there are a number of important trends that continue to drive European demand. As examples:

65% of copper demand is used in the generation, distribution and use of electricity and is consequently linked closely to capital investment in infrastructure, manufacturing capacity and residential housing. However, beyond this basic economic driven demand, there is an increasing importance on the intensity of use of copper products.

In the generation phase, EU policy mandates that 21% of European electricity supply is sourced from renewables by 2010. Copper usage per megawatt, in an efficient wind turbine and its associated grid infrastructure, is ten times that required in a conventional gas fired power station.

The solar industry is actively promoting growth in solar thermal installations, with the target of increasing the installed collector area from 15 million m² to 100 million m² by 2010. While copper tonnage in the collector unit itself is small, domestic systems require additional copper piping, reservoir and heat exchange capabilities.

Following technological advances in cable construction, there is a growing trend towards underground high voltage cabling, which favours copper. Demand will be driven by urban renovation, where undergrounding is preferred for reasons of aesthetics and supply reliability, from the expansion of offshore wind farms and from increased efforts to link national grids to provide full liberalisation of the European electricity market.

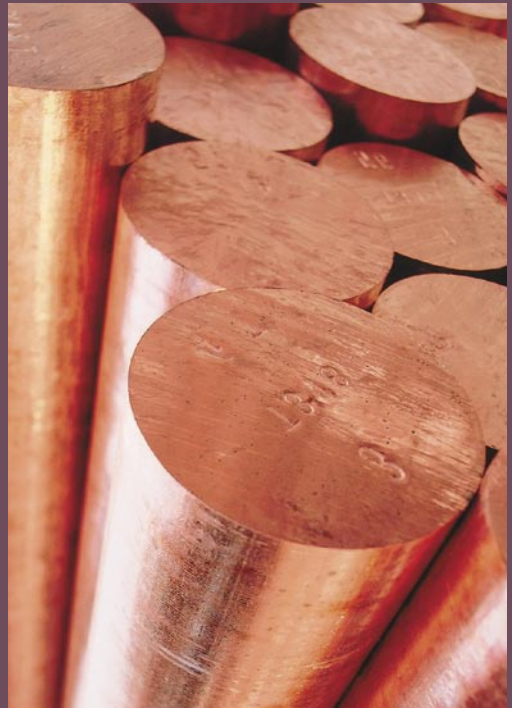
In the usage phase, draft EU Directives on Energy Services and Eco-Design will further strengthen the commitment towards energy efficiency. There is general recognition, at policy maker level, that energy efficiency remains the most economic route for Europe to meet its obligations under the Kyoto Protocol. For every 1 M\$ invested in such measures, copper intensity of use ranges from 1 tonne in photovoltaic systems, through 2 tonne in motor driven systems, to 100 tonne in high efficiency voltage transformers.



Improving the reliability and quality of electricity supplies to industry, along with upgrading the safety and convenience of residential installations, will support growth in wire and cable, plus associated system components. ECI calculations conservatively show a doubling of the intensity of use for mission critical buildings, such as hospitals, financial institutions and air traffic control facilities.

Harmful emission reductions from diesel engines, in accordance with stringent new regulations in Europe, North America and Japan, require significant changes in cooling systems. So called exhaust gas recirculation systems have cooling demands which exceed the fatigue performance of current materials. Copper's superior high temperature performance, exploited through the use of CuproBraz technology, could lead to its return to a dominant market position.





Programme Highlights

Automotive, Building Construction & Industrial Alloy

• Automotive

An increasing number of electrical applications, developed to improve vehicle performance and comfort, will result in future copper growth. Toyota, Daimler Chrysler and others are also continuing to commit to the development of hybrid and fuel cell vehicles, with the former benefiting best from copper's outstanding conductivity.

The EU's End of Life Directive continues to push the industry towards designs which take account of environmental and recycling considerations, along with the removal of materials which raise concern.

ECI's automotive group is active in understanding these concerns and improving technical and environmental product performance. Direct contact with original equipment manufacturers and Tier 1 suppliers has helped to shape our understanding of the future issues and opportunities for copper based applications.

• Building Construction

Promotional campaigns are aimed at increasing the use of copper in building applications for plumbing, heating, fuel gas, and exterior uses, such as facades, gutters and roofing, by providing updated and appropriate stimuli to a changing market.

Both the exterior and interior building construction markets are fiercely competitive and require high levels of product performance and supply chain interaction to stimulate awareness and growth. Close co-operation with key decision-makers along the supply chain is maintained through significant member input and campaign resource management.



Copper tubing and fittings maintained a leading position in Europe in indoor drinking water distribution, fuel gas applications and heating systems. The markets for architectural rolled goods have grown across Europe.

Copper's range of colours and its use in complex geometries associates it with modern and cutting-edge architecture, as seen on www.copperconcept.org

As fuel costs and supply issues influence strategic thinking within Europe, support for renewable energy and energy efficiency measures continue to grow. ECI continues to participate, through the solar industry federation, in policy-making and training to encourage the development of the market. The number of copper coating suppliers for solar applications has doubled in the last year.

The regulatory issues raised by the European Acceptance Scheme (EAS) have occupied the industry's resources. Difficulties have been compounded by the European Commission changing its communications structures, making it increasingly challenging for the industry to get its views across. The development of strong networks and regular contact with stakeholders remain crucial.

• Industrial Alloy

Designers require reliable, up to date technical information to support development. Given the industry's relatively limited resources in this area, ECI is leading the development of a roadmap on how to most effectively meet this market need.

Nigel Cotton, Manager



Communications



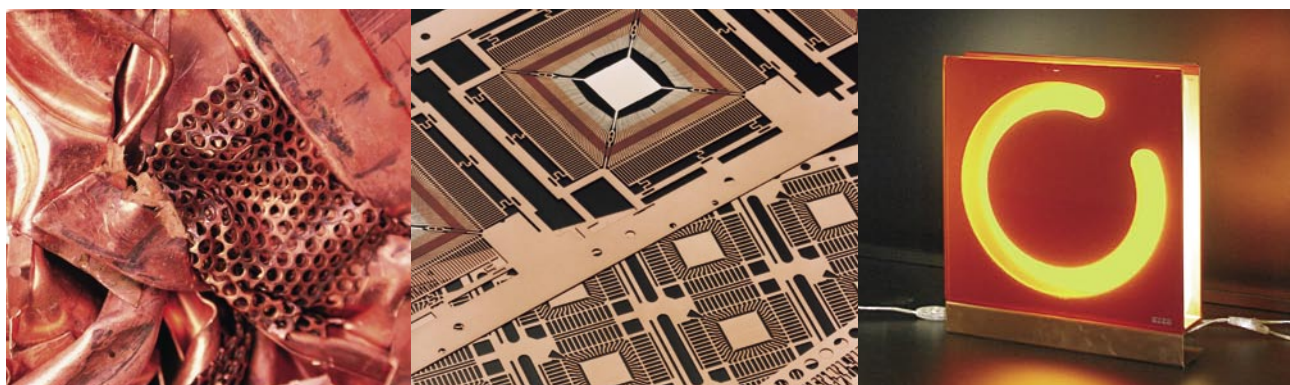
Christian de Barrin, Manager

ECI's overall communications programme continued to reinforce copper's position as a key material for the future. Major communications initiatives focused on supporting ECI market development programmes by increasing awareness among the general public and decision makers of the key benefits offered by copper. Educating young Europeans about copper's main properties was another important element of the strategy.

ECI's pan-European media relations programme - a key component of the overall strategy - ran in Belgium, France, Germany, Italy, Spain, the Netherlands, Sweden and the UK, with smaller initiatives in Hungary and in Slovakia.

to building a sustainable society; in Sweden, at New Boliden, on copper's recycling properties; in France on regular inspections in domestic homes; and in Italy on copper and interior design. More than 100 European journalists participated in these events, resulting in media coverage on prestigious TV and radio channels, and in the written press (such as CNN World report, Euronews, Telecinco, die Zeit and Le Monde).

ECI's communications programme, in close collaboration with the Scandinavian Copper Development Association, also helped to influence the regulatory process in Sweden by counterbalancing negative issues and improving the positioning of copper.



In 2004, communications to the general media increased dramatically, delivering results both in terms of image development and direct support for market development programmes.

The main messages were focused on energy efficiency, the automotive sector, conductivity, recycling, electrical safety, comfort and interior design, in cooperation with industrial partners such as Fujitsu Siemens, IBM, and Saab. As a result, more than 300 journalists reported on these issues.

Major media events were held in Brussels on the use of energy efficient motor driven systems as a way of helping to achieve the Kyoto climate change targets; in Spain, at Atlantic Copper, on copper's contribution

A new educational e-source launched with support from CDA UK and aimed at A level students has been available since last October on www.schoolscience.co.uk, the British reference point for teachers and students on e-learning, and had welcomed two million visitors by the end of 2004. A CD version of existing educational e-sources was compiled for the annual UK Teacher's conference and a copper strip-cartoon was published in seven languages for journalists and young students.

The ECI network's external identity was also strengthened by launching a new European corporate web portal, providing direct access to the CDA network as well as to ECI's main European campaign websites.

Electricity & Energy

The LEONARDO Power Quality Initiative (LPQI) is now supported and implemented by a partnership of more than 80 leading organisations from academia and industry.

The programme runs in seventeen countries and eleven languages, and has produced over 150 educational modules, reaching well over 100,000 professionals per year through a combination of seminars, trade fairs, e-mail marketing, direct mail and its website.

In 2004, LPQI won the first ever EU award for quality and innovation in training. The award ceremony took place at the high level conference on "Strengthening European Co-operation in Vocational Education and Training", held in Maastricht. The event was co-hosted by the new European Commissioner for Education and Culture, Ján Figel, and the Dutch EU Presidency, represented by the Minister of Education, Culture and Science, Maria J A van der Hoeven.

ECI launched its LEONARDO ENERGY (LE) campaign in late 2004. This campaign integrates all ECI activities on electrical energy, and provides a stronger advocacy platform for a progressive energy policy. Currently, LE involves over 100 partners in a variety of projects, focusing on quality of supply, electrical safety and sustainable electrical energy. The programme targets professionals, press and regulators involved in the electrical energy sector, and promotes best practice in electrical engineering and energy regulation.

LE is currently active on issues ranging from transformers and motors to eco-design, green building, efficient lighting and new policy instruments for energy efficiency.

On electrical safety, a position paper was launched at the FISUEL general assembly. It was followed by national press activity in France and Belgium, resulting in unprecedented media coverage. In France, the project is now close to reaching its legislative targets.



Hans De Keulenaer, Manager

Also in the residential sector, LE launched a new initiative - the partnership for assisted living. This project aims to define the technology needs of elderly and handicapped people living at home and to raise the awareness of professionals in the building industry. In essence, the project brings the hospital to the home, increasing the use of copper by a factor of two to three.



ECI continued its knowledge management initiative, now involving over 50 people, which allows a continuous monitoring of markets, technologies and policies in Europe and beyond. This has helped ECI position itself as an authoritative and credible voice of the copper industry and was highly instrumental in developing a series of e-mail campaigns on renewables, distributed generation, eco-design and energy efficiency. Over 4,000 regulators and opinion leaders are targeted by these campaigns, with the number growing by about 2% a month.



Environment & Regulatory Affairs

The industry's copper voluntary risk assessment dominated activities throughout 2004.

The draft report went through several rounds of peer review by experts from the Italian government and a multinational panel of independent experts. All quality controlled data has been taken into account and the concept of bioavailability is now well recognised as being important in developing meaningful environmental risk characterisations.

The dossier will be reviewed by the European Commission and EU member states in 2005.

The ECI and the University of Ghent organised dedicated metal sessions at the annual meeting of the Society for Environmental Toxicology and Chemistry Europe (SETAC) as part of efforts to communicate the results of the EU risk assessment and other studies to regulators, industry and academic experts. ICA/ECI sponsored scientists presented over 40 papers and posters.

Bilateral meetings were organised with national environmental regulators across the EU. As a result of these efforts, the British government and ECI are co-operating on a project to validate the findings on safe thresholds for the use of copper in the aquatic environment. The British, Finnish and French authorities are making increasing use of ECI's risk assessment database in their regulatory developments.

Through the German Wirtschaftvereinigung, a dialogue was established with the German authorities to present the findings of the risk assessment and support a revision of the occupational exposure limit for copper.

During a workshop co-initiated by ECI and co-sponsored by UNEP/SETAC, a group of leading experts on Life Cycle Assessment (LCA) agreed that the current methodologies leading to ecotoxicity endpoints are deficient for metals and should not be used as a basis for business or policy decisions.



These findings were contained in the Apeldoorn Declaration and published in a key international journal for LCA.

The EU's REACH proposal dominated the environmental regulatory agenda. This is a key challenge for the metals industry. Critical issues which have yet to be resolved are the status of ores & concentrates, waste, alloys and substances in products. Through Eurometaux, ECI increased its support of advocacy efforts by taking a key role in communicating the industry's concerns to the European Parliament and Council of Ministers.

ECI also continued its efforts to make a positive contribution to the discussions in the European Parliament and Council on an Ambient Air Daughter Directive. The compromise reached between the two institutions was judged to be a pragmatic approach both acknowledging the technical and scientific situation and protecting health and the environment. This compromise was particularly important in sustaining the viability of the European refining and smelting sector.



Katrien Delbeke, Environmental Manager

Thierry Gerschel, Regulatory Affairs Director

Ilse Schoeters, Project Manager

Financials

In 2004, ECI and its network of eleven national Copper Development Associations operated with an annual budget of 14.3 M\$. This represented a 27% increase over last year.

This increase reflected new memberships in the International Copper Association, which enabled Europe to secure additional promotional funds, as well as to cover the significant \$/€ exchange rate decline since 2003.

The European industry members increased their contributions, following the move to the new harmonised fee structure introduced on January 1st, while an increase in project partners, particularly for ECI's Electricity and Energy programme, also attracted additional support

Through the efforts of the Polish CDA, 11 M\$ funding, over the next 5 years, was authorised by the United Nations' Global Environment Fund for the promotion of energy efficient motor driven systems in Poland.

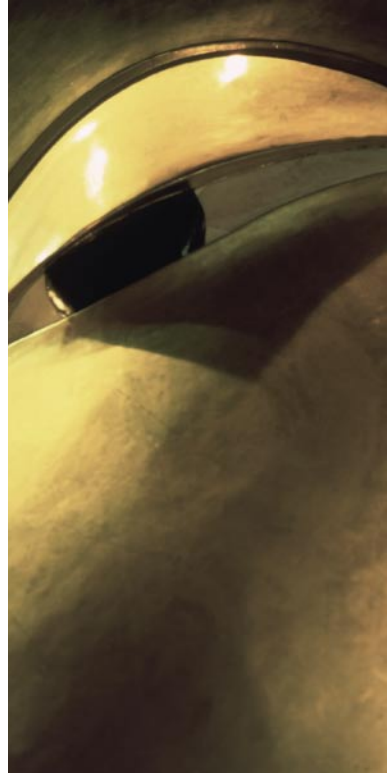
ECI contributed to the definition and roll out of a new accounting system for the International Copper Association. This will lead to accounting system efficiencies, as well as an improvement in the timeliness and clarity of project budgets and expenditures.

Catherine Mantell, Supervisor



2004 European Promotion Funds (K\$)

Strategic Initiative	ICA Funding	Local Co-Funding	Total
Building Construction	2 960	2 980	5 940
Industrial Applications	450	200	650
Electricity & Energy	2 270	480	2 750
Emerging Markets	470	350	820
Environment & Regulatory Affairs	1 260	530	1 790
Communications	650	300	950
Network Operations	680	680	1 360
Total Funds	8 740	5 520	14 260





Copper Development Association Achievements

BELGIUM, LUXEMBOURG, THE NETHERLANDS (COPPER BENELUX)



Benoît Dôme

Copper Benelux reinforced its promotional activities, notably in the electricity and energy arena and the environment programme. It also strongly contributed to European campaigns such as the FEEDS program and the European architecture campaign. Along with ten important industrial companies, Copper Benelux is now a member of Elux, an association aimed at developing more

comfortable electrical installations. In the architectural field, 495 architects were visited and Copper Benelux took the lead in managing the European web site www.copperconcept.org for six countries. The CDA also managed a series of initiatives relating to copper's role in reducing the growth of legionella in water distribution systems, including the organisation of 25 seminars for health and safety advisers.

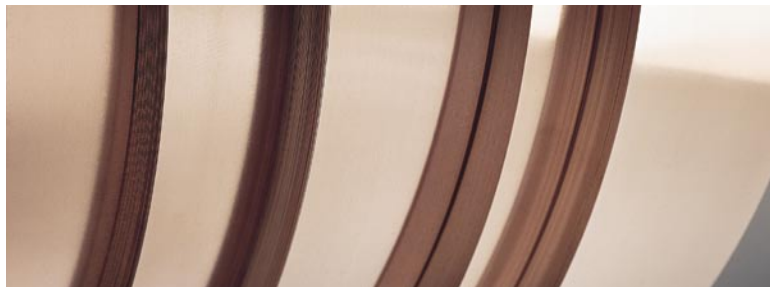
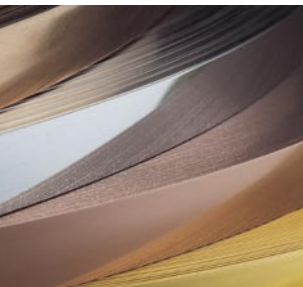
FRANCE - CENTRE D'INFORMATION DU CUIVRE (CICLA)



Olivier Tissot

CICLA's key activity focused on improving electrical safety standards in homes, together with national consumer and housing associations. Regulatory efforts were strongly supported by an information campaign, resulting in extensive media coverage (eighty reports reaching an audience of fifty million people). New regulations are expected this summer. 2004 was also an excellent year for architecture, with a 10% market

growth, rewarding more than ten years of continued promotion. The copper tubing campaign focused mainly on health, with a new publication on copper and legionella well received by hospitals. Lastly, the media campaign targeted at the general public generated very satisfactory results, including prime-time TV spots on TF1 and France 2 as well as numerous radio interviews and press articles.



GERMANY - DEUTSCHES KUPFERINSTITUT e.V. (DKI)



Dr. Anton Klassert

DKI's communications efforts focused on the transposition of the European WEE directive (Waste from Electrical and Electronic Equipment) into German law, using this to raise public awareness of copper's excellent recycling properties. The DKI media tour reached an audience of eight million people through daily newspapers, radio and TV programmes. The first German Industry-University Copper Symposium, under the heading "Industry meets Science", was very successful. Recent

technological developments, ranging from manufacturing at the world's largest copper alloy foundry to new material and surface requirements in electrical applications, were reviewed. In its role as the European life cycle competence centre, the DKI also made substantial progress in gathering industry inputs to develop life cycle inventory data for semi-fabricated copper products.

GREECE - HELLENIC COPPER DEVELOPMENT INSTITUTE (HCDI)

The Athens Olympic Games provided the Greek copper industry with a unique opportunity to promote the use of copper. As a result of a successful campaign, copper was selected as the material of choice for plumbing, heating and roofing installations in several buildings, train stations, houses and stadiums. During 2004, HCDI continued its regular promotional activities relating to architecture and design, with a strong focus on roofing and gutters.

Priority was also given to education, with 2,500 young students learning about best practice for copper tubing installations. The well-established Copper Day was held in Thessaloniki in the presence of more than 1,200 professionals from the north of Greece. At this year's event, a seminar on copper in health and the environment targeted the scientific community.



Kostas Tsapras

HUNGARY, CZECH REPUBLIC & SLOVAKIA - HUNGARIAN COPPER PROMOTION CENTRE (HCPC)

HCPC's promotional activities in 2004 focused mainly on influencing technical decision-makers. In the Czech Republic, HCPC won the Annual Installer Award, given by the Czech Plumbers Association. The launch of the first Internet-based copper tube competition for students in Hungary and Slovakia was a great success, attracting 349 participants from 43 schools. Other promotional campaigns included gas certification courses, seminars and participation in professional exhibitions.

A new CD-ROM and e-publications on plumbing were produced. Extensive media coverage on copper and legionella was generated in the trade press and the major Hungarian daily newspaper. The architecture campaign led to prestigious new copper projects. Important efforts were also made to disseminate LEONARDO Power Quality Initiative messages in Hungary and the Czech Republic.



Robert Pinter

ITALY - ISTITUTO ITALIANO DEL RAME (IIR)

IIR's most successful activity in 2004 concerned the promotion of copper as a material of choice for interior design. Commercially available products (within the theme of "Light and Heat") were presented to the general public for the first time under the patronage of the Milan City Council. The exhibition, held from November 4th to 13th at the prestigious Arengario Palace, attracted 700 visitors and 26 journalists. Through ECI's PR network, extensive media coverage was generated in leading publications across Europe. In addition, IIR played a leading role in the new decree on materials which come into contact with

drinking water and in the new standard for press fittings in domestic gas installation. Education was also a key activity, with 130 teachers and 1,250 students receiving training. Finally, special mention must be made of the new collaboration with the Electro-technical Standard Body (CEI), which resulted in eleven meetings attended by 4,300 professionals.



Vincenzo Loconsolo



POLAND - POLISH COPPER PROMOTION CENTRE (PCPC))



Piotr Jurasz

After five years of hard work by the PCPC, the United Nations approved a contribution of \$11 million from its Global Environment Fund to stimulate demand for high efficiency motor driven systems in Poland. PCPC is a member of the steering committee which coordinates implementation of the campaign. As a result of three years of extensive activity within the Polish LEONARDO Power Quality Initiative, the Polish Electrical Association (SEP) has set up a Power Quality Committee, of which

PCPC is a member. A noticeable success in the plumbing arena was the cooperation between PCPC and the governmental agency COBRTI INSTAL, leading to the launch of a new certification process and the establishment of quality criteria for sanitary installations. Lastly, PCPC's cooperation with the Polish Civil Engineers Chamber allowed certified training programmes to include modules on copper sanitary and electrical installations.

RUSSIA - NATIONAL COPPER CENTRE



Vadim Ionov

Based on new membership agreements with the Russian industry, ECI's Representative Office in Moscow was upgraded to a full Copper Development Association. In its promotional programmes, strong emphasis was placed on encouraging the Authorities to introduce the regulations and standards required to allow the use of copper in plumbing, domestic gas and architectural applications. Manufacturing standards have recently been approved that set minimum quality and compliance

requirements for copper tubing in drinking water and gas markets. Necessary improvements in the safety of residential wiring are being achieved, with copper now being specified in preference to aluminium. Longer term efforts to educate the engineering community to use more copper under the LEONARDO Power Quality Initiative have also been started.

DENMARK, FINLAND, NORWAY AND SWEDEN - SCANDINAVIAN COPPER DEVELOPMENT ASSOCIATION (SCDA)



Mariann Sundberg

SSCDA's most visible success in 2004 was the media event held at New Boliden on the WEEE Directive in the presence of 32 local and international journalists. This generated significant media coverage including a three minute CNN World report on copper's outstanding recycling properties. Successful advocacy efforts supported the rejection of a Swedish proposal for the EU to classify ten metals as hazardous substances, as well as the Swedish government requesting that ores, concentrates and recycled materials be

omitted from the REACH proposal. SCDA's research on the drinking water directive set out a cost effective method for treating hard water. In the same area, an updated version of the publication *Metals in Society and in the Environment* was published. Lastly, a high quality, sixteen page colour supplement, covering copper's benefits in all aspects of life, was published and distributed with the leading daily newspaper *Dagens Industri*.

SPAIN & PORTUGAL - CENTRO ESPANOL DE INFORMACION DEL COBRE (CEDIC)



José Ramón Morales

CEDIC managed a broad range of activities and achieved some notable successes. In the electricity and energy arena, the LEONARDO Power Quality Initiative welcomed three new partners and, within the FEEDS programme, CEDIC collaborated with PRIE (Platform for renovation/inspection of electrical installations) to increase industry's influence on the regulatory process through awareness campaigns planned for 2005. In the tubing market, CEDIC's main initiative

focused on counteracting the fraudulent mailing led by the plastic industry against the use of copper. CEDIC also helped to set up a new industry training school. The high level of attendance at the CONSTRUTECH trade fair provided an excellent opportunity to promote all types of copper applications in the home. Lastly, a successful media tour held at Atlantic Copper attracted extensive media coverage, reaching an audience of nine million people.

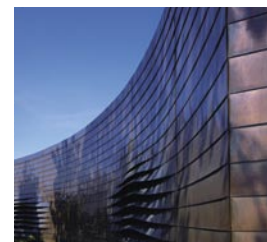
UNITED KINGDOM - COPPER DEVELOPMENT ASSOCIATION UK (CDA UK)



Angela Vessey

At national level, building and construction programmes targeted plumbers, plumbing students and lecturers, architects and quantity surveyors. Tools included media coverage, web based materials and direct mailings. New in 2004 was the launch of the first European Copper in Architecture competition, with the winners to be announced in 2005. Education and training was delivered to professional specifiers, undergraduates and students through seminars, workshops, lectures and web-based e-sources covering the use of brass, copper in architecture,

copper-nickels for marine applications, copper and electricity, and power quality. The Power Quality Partnership more than doubled in size, resulting in additional technical seminars with a broader scope. At European level, CDA UK has provided project management, technical guidance, editorial review and publishing for the major electrical programmes.



Access the Global Network

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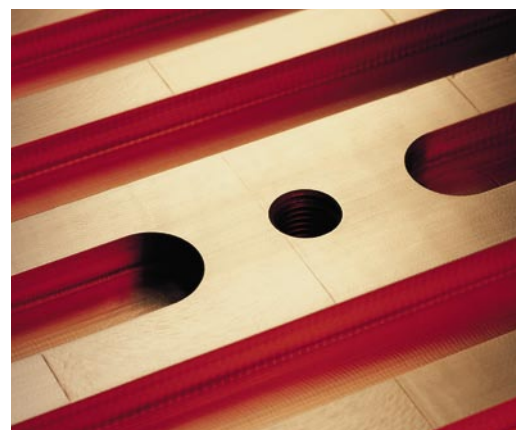
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