Francis Kéré is the winner of the main prize in the third cycle of the Holcim Awards competition: the Global Holcim Awards Gold. The architect, who lives in Berlin, won the prize for a school project (pictured above in the background) in his home village of Gando in Burkina Faso. He and five further global prize winners were acknowledged at Awards ceremonies held around the world.
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Alongside an exhibition at the Aedes Architecture Forum in Berlin three panel discussions with Holcim Awards prize winners took place (from left: moderator Andreas Ruby with Martin Rauch, Anne Heringer, Mike Schlaich and Frank Barkow. Read more on page 13.
Third Holcim Awards: Innovation worldwide

The third cycle of the Holcim Awards competition topped the first two in every regard: never have so many architects and construction professionals participated, never has the quality of the submitted projects been so high – and never have there been so many prizes to win. To mark its centennial, Holcim awarded three additional Innovation prizes for the development of future-oriented construction materials and methods.

With the presentation of the Global Holcim Awards in late 2012, the third competition cycle came to a grand conclusion. Architects, engineers, and project owners had submitted about 6000 projects in 146 countries – over 2200 of which fully met the entry requirements.

The competition, the largest of its type in the world, began at the regional level. In each of five world regions, three main prizes – the Regional Holcim Awards Gold, Silver, and Bronze – and several Acknowledgement and “Next Generation” prizes were awarded in 2011. The 15 regional main winners then automatically qualified to compete for the Global Holcim Awards in 2012. In this phase, the projects were scrutinized once again by a top-notch jury.

All 53 projects that won in any category of the regional competition qualified to compete for the global Innovation prizes, these unique accolades were conferred to mark the centennial of Holcim. In this category, which recognizes the development of new construction materials and methods, three prizes were to be won; they were awarded by a jury comprising an equal number of Holcim experts and external professionals.

Both juries announced their decisions in May 2012. The winners received their prizes at various events on several continents; these events are recapped on the following eight pages. The outstanding and innovative ideas of the prize winners were also widely publicized through additional events and publications. The Holcim Foundation thereby successfully furthered its most important mission: to create a worldwide platform and generate strong awareness for sustainable construction and Holcim – within the construction industry and beyond.

Location of prize winning projects

Renowned jurors

Global Holcim Awards jury 2012 (from left): Rolf Soiron, administrator, Switzerland, Mario Botta, architect, Switzerland, Maria Atkinson, administrator, Australia, Yolanda Kakabadse, administrator, Ecuador, Werner Sobek, civil engineer, Germany, Julia Marton-Lefèvre, administrator, France/Switzerland, Aaron Betsky, architect/critic, USA, Enrique Norten, architect, Mexico/USA (Head of the jury), Hans-Rudolf Schalcher, civil engineer, Switzerland, Rahul Mehrotra, architect, India.

Global Holcim Innovation Prize jury 2012 (from left): Hans-Rudolf Schalcher, civil engineer, Switzerland, Vanderley John, civil engineer, Brazil, Stuart Smith, structural engineer, United Kingdom, Harry Gugger, architect, Switzerland (Head of the jury), Bernard Fontana, engineer, France/Switzerland, Sujit Ghosh, civil engineer, Singapore, Roland Köhler, economist, Switzerland, Markus Akermann, economist, Switzerland.
“Long live the Holcim Awards”

A West African village celebrates the Global Holcim Awards Gold

The stage with podium shaded from the intense sun is the center of attention, behind it stands the freshly-constructed main wing of the new school complex. In front are tents packed with seating – front row for the guests of honor – and all around are colorfully clothed, anxious people – standing, sitting, and speaking only when spoken to; for instance, to give a roaring welcome to the small delegation of the Holcim Foundation from Switzerland. This is probably the most impressive Awards ceremony in the near ten-year history of the Awards competition – attended by an audience of about 3000 people.

Nearly a third of the guests are children from Gando and its environs, for whom Diébédo Francis Kéré has built a primary school and is now building a middle school – along with a library and teacher housing. Gando is distant not only for many students – more than a few have a ten kilometer trek to school across raw terrain; the private housing offered is an important enticement to attract teachers to this remote village. Burkina Faso is one of the poorest countries in the world, one in which about 70 percent of men and more than 85 percent of women are illiterate.
Reception with the village elders
Francis Kéré, firstborn son of the local tribal leader, was the first child from Gando ever to attend school. He had to live with relatives in the next city, Tenkodogo, and he earned a German scholarship for training as a carpenter in Berlin. He finished school there, studied architecture at the Technische Universität Berlin, and opened his own practice. Today he also teaches as a guest professor at Harvard University in the USA and at the Mendrisio Academy of Architecture in Switzerland.

But Francis Kéré’s heart remains in Gando. As successor of his father, who died in 2011, he has assumed social, cultural, and certain ethical-legal rights and responsibilities, which require him to manage a balance between two worlds, between traditional and modern values. So he leads the recently-arrived guests first to the elders at the village center. Kéré explains that the guests have come to celebrate the new school in the village. An honorary drink is passed around. Hundreds of children in yellow T-shirts they printed themselves (“Thank you Holcim Foundation – Long live the Holcim Awards”) form a guard of honor and welcome the festively-dressed native guests and the overwhelmed Europeans.

Building materials from the backyard
Kéré thanked his family that they didn’t expect him to return after his studies to build them a modern new house to replace the traditional cob huts — instead he built schools for the next generation. After a moment of silence in memory of his father — it was so quiet that it seemed as if 3000 people were holding their breath simultaneously — Kéré continued that he works hard in faraway Germany to collect the resources that will enable everyone in Gando to receive an education.

He trained the construction foremen himself, men whom he trusts, who together with the village residents create (school) building after (school) building, thereby establishing the infrastructure for the future of “his” village. The 30-centimeter-high concrete base course, which prevents rising damp in the walls “costs one bag of cement,” says Kéré. The clay wall element resting upon it, over three meters high, sweeping, and cast similarly to tilt-up concrete in a reusable form he designed himself, “costs only two bags of cement.” The sand, stone, clay, and wood are collected within a radius of 500 meters. The terracotta is locally fired.

A village that works together
Kéré’s most recent school project won the Holcim Awards Gold 2011 Africa Middle East and in 2012 was selected by the global jury as the best project in the third competition cycle. It completely fulfills the criteria for sustainable construction, has been presented at length at a ceremony at the EPFL Lau-
sanne, and is documented in detail in the publication “Third Awards” of the Holcim Foundation (ISBN 978-3-7266-0094-5).

But this event in Gando in late December 2012 wasn’t for further technical or academic acknowledgment of the project; it was rather a celebration in honor of Francis Kéré, whose Global Holcim Awards Gold made the rounds through the audience like a relic, touched by uncounted hands in an almost devout way, seen to symbolize that something very special was being created in Gando, initiated by a very special son of the village.

The Holcim Foundation conferred a total of USD 300,000 in prize money along with the two Awards – Kéré is investing the entire amount to build his winning project. He is covering the costs of design in Berlin, the specialists working on site, additionally required construction materials, and food for the citizens of Gando when assisting at the project to help build the school. These villagers and particularly the schoolchildren were addressed by the Chairman of the Board and the General Manager of the Holcim Foundation. They explained that thanks to these locals and the efforts of Francis Kéré,
the schools of Gando have become a globally renowned example of what a village can achieve by working together as a community.

Meat for everyone
“Take a whiff; pure clear oil,” says Kéré almost triumphantly, holding the right hand of a ten year old to my nose: “He too ate meat today,” which the boy promptly confirms. With a concentration of so many religious and other traditions, fests are always being held in and around Gando, and food is usually a central part of it, explains Kéré: “This Awards ceremony brings all groups of our society together at once – something that hardly ever happens.” 1.5 tons of rice, millet and sugar, four cows, 100 chickens, and much more has been acquired and cooked over fires for the village feast (see below). Kéré takes me by the hand and leads me out into the dark of the night. Laughter and songs are heard, but through untrained eyes barely a thing can be discerned.

“They have been eating and drinking since this morning,” many arrived already yesterday, some will walk back home to their villages tomorrow or even the next day. Among the huts and trees the young and old sit around large pots, eating with their hands, drinking from bottles – a novelty compared to the usual drinking vessels or half coconut shells. The mood is contagiously relaxed. People have come from throughout the region (“word of festivities spread quickly”), including many cultural, political, military, and other dignitaries, who in their speeches or at least by their magisterial presence express their recognition of the school project and the Award

Meat for everyone

For the celebration of the Holcim Awards Gold in Gando, a total of four cows, about 100 chickens, and half a dozen sheep were cooked using 160 liters of cooking oil. 16 bags of rice (50 kg each), 3 bags of millet (100 kg each), 8 bags of sugar (50 kg each), and uncounted vegetables, spices and other ingredients for the sauces were also prepared. Around 5,500 liters of drinking water in bottles and plastic bags and 1,400 large bottles of beer and Fanta were passed around, augmented by nearly 1,000 liters of alcohol-free beer home-brewed from millet.
won by Kéré. With touching words, a girl conveys her thanks for the new school; stenographers record the speeches and translate faithfully into French or a local language.

“Learning has to be enjoyable”

A diesel generator rumbles in the background. It came from the city along with a PA system to Gando, where waterworks and power lines are nonexistent. Electric amplification would have been unnecessary for the singers, who are elderly but definitely lively, and who are used to doing without when they create the atmosphere in tandem with musicians and dancers. The already completed library building has been furnished as a dining area for the guests of honor. It is brightened by a few energy-saving bulbs powered by solar cells that will soon be joined by wind-driven generators.

Kéré knows from his own experience what he wants to spare the children from: stifling heat in standardized, dreary, crowded classrooms with sagging corrugated sheet metal roofs. “They should not only have the chance to learn, but should enjoy doing so.” Natural and efficient indoor climate control is provided in Gando by high ceilings and a cleverly designed ventilation system that employs traditional construction methods and humidifies the incoming fresh air.

Kéré conducts a balancing act also in terms of (construction) technology: tradition and modernity blend in good proportion in his architecture. The buildings must operate virtually maintenance-free, in particular when Francis Kéré cannot attend to them himself. “We only use locally produced equipment, otherwise, when a breakdown occurs, they would just wait until I bring spare parts,” laughs Kéré, who is simultaneously working on several other projects in Burkina Faso and on the new Red Cross Museum in Geneva, where, in contrast, the proportion of clay as a construction material must be reduced for budgetary reasons. Gando’s most famous son also knows to master the balancing act between hemispheres.

Text: Edward Schwarz
Photos: Andreas Schwaiger
Global Awards ceremonies: Platforms for sustainable construction

Lecture and celebration at the EPFL Lausanne for school in Burkina Faso

Francis Kéré was awarded the Global Holcim Awards Gold 2012 for his project to build a secondary school in Burkina Faso. At the Awards ceremony held on October 12, 2012, the architect delivered a powerful statement on the importance of the school project in his home village. Hundreds of interested architecture and engineering students of the Swiss Federal Institute of Technology (EPFL) Lausanne and a great many invited guests attended the event held in the impressive Rolex Learning Center of the EPFL. Among the speakers were Patrick Aebischer, EPFL President; Rolf Soiron, Chairman of the Board of Directors of Holcim; and Dieudonné Souguouri, First Counselor of the Embassy of Burkina Faso in Switzerland. As jury chair, renowned Mexican architect Enrique Norten praised the winning project: “This beautiful school is not only an elegant design solution, but it also delivers training and employment, uses local building materials, and creates an outstanding environment from a social perspective.” Bernard Fontana, CEO of Holcim, said in his laudation: “In Gando not only are new buildings being created, but also a sense of identity and social cohesion.”

Civic infrastructure hub in São Paulo applauded for ecological, social, and economic sustainability

The Global Holcim Awards Silver 2012 was presented to architects Alfredo Brillembourg and Hubert Klumpner, and their design team at Urban-Think Tank (U-TT) from Brazil for an urban remediation and civic infrastructure hub: the music school “Grotão – Escola de Música”. Aaron Betsky, Director of the Cincinnati Art Museum and representative of the Global Holcim Awards jury: “The structure retains and stabilizes the area’s challenging topography, creating a green island in a terraced public space,” he said. The prize handover ceremony at Centro Educacional Unificado (CEU) on August 23, 2012 was hosted by Holcim Brazil. Around 200 attendees enjoyed the musical entertainment by the Paraisópolis Youth Orchestra and a performance by the Paraisópolis Youth Ballet. The merits of the project, however, go much further, as was highlighted in speeches by Gilberto Kassab, Mayor of São Paulo; Elisabete França, Deputy Secretary of Housing of the City of São Paulo; Joido Santos on behalf of the Paraisópolis community; and Otmar Hübsher of Holcim Brazil. Holcim CEO Bernard Fontana congratulated the prize winners: “We see sustainability not as a technical challenge but as a professional attitude of all building professionals that leads to a higher quality of life.”

Global Holcim Awards Gold: School project in Burkina Faso using a hybrid building technique

This secondary school using traditional building materials and technologies provides further education to 1000 children in a rural area. The primary building materials include local clay and stone, strengthened with cement. Similar to concrete, the wet material is placed into formwork, where it hardens into a complete wall element. The design responds to the challenging climate in various ways. Cooling by natural ventilation is enhanced by routing air through underground tubes, planting vegetation, and the use of double-skin roofs and façades. Energy requirements are provided using only the sun and wind.

Global Holcim Awards Silver: Civic infrastructure hub in São Paulo

Informal development and the challenging topography of the Paraisópolis favela cause dangerous mudslides. This music school project will prevent further erosion and mudslides on the steep slopes and will provide social and cultural infrastructure. The facility will include a terraced public space with areas for urban agriculture, a water management system, a public amphitheater, a music school, a small concert hall, sports facilities, public spaces, and transport infrastructure.

Global Holcim Awards Silver: Civic infrastructure hub in São Paulo

Paraisópolis Youth Ballet – the group will benefit from the new civic infrastructure hub where they will be able to use spaces established and reserved for their activities on a permanent basis.

Global Holcim Awards Gold: School project in Burkina Faso using a hybrid building technique

Several hundred guests of honor and students participated in the prize hand-over celebration at EPFL Lausanne.

The winners Hubert Klumpner and Alfredo Brillembourg (holding Award) with Joido Santos of the Paraisópolis community. Holcim CEO Bernard Fontana (right) and Holcim Exec Member Andreas Leu (far right).

Enrique Norten (left), jury chair for the Global Holcim Awards, congratulates Francis Kéré and his team.

Paraisópolis Youth Ballet – the group will benefit from the new civic infrastructure hub where they will be able to use spaces established and reserved for their activities on a permanent basis.

Global Holcim Awards Silver: Civic infrastructure hub in São Paulo

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Project for a river swimming precinct at the Museumsinsel celebrated in Berlin

A team led by architects Tim and Jan Edler of realities:united aims to adapt an impressive 745 meters of an under-utilized arm of the Spree River at the world-famous Museumsinsel (Museum Island) into a river swimming precinct. This idea wins the Global Holcim Awards Bronze 2012, with the jury convinced by the charm of the concept for the Kupfergraben Channel. Global jury member Mario Botta praised the project at the Awards ceremony held on November 28, 2012 at the Internationale Bauakademie in Berlin: “The project is a poetic metamorphosis of the currently weakly-defined public space in the culturally and politically important historic center of Berlin into a well-used urban landscape.” Rolf Soiron, Chairman of the Board of Directors of Holcim, underscored the significance of sustainable construction for society today and tomorrow– and called for open-mindedness even for unconventional ideas such as the Flussbad. Regula Lüscher, Senate Building Director of the City of Berlin, praised the project for its forward-looking vision: “It says much about our picture of the city in which we want to live.”

High-efficiency concrete formwork technology awarded at the ETH Zurich

A team led by Fabio Gramazio and Matthias Kohler, professors of Architecture and Digital Fabrication at the Swiss Federal Institute of Technology (ETH Zurich), developed a technique for the production of unique free-form concrete components – an achievement for which they were awarded the Global Holcim Innovation 1st prize 2012. Harry Gugger, chairman of the Holcim Innovation prize jury and professor of Architecture at the EPFL Lausanne, considers the new approach a quantum leap: “To date, the production of complex concrete molds has been difficult and has also produced a large volume of waste, but this approach solves both problems.” Hans-Rudolf Schalcher, emeritus professor of Planning and Management in Construction at the ETH Zurich and member of the Holcim Innovation prize jury, identifies significant market potential for the process due to its obvious contribution to sustainability. The prize was presented by member of the Executive Committee of Holcim for Europe, Roland Köhler, on August 30, 2012 at the 18th Holcim Concrete Conference. The conference hosted at ETH Zurich was led by Thomas Vogel, Chair of Structural Engineering at the ETH Zurich, and attended by about 200 experts.
**Prize awarded for smart materials house at the IBA in Hamburg**

The Global Holcim Innovation 2nd prize for the project “Low-cost apartments incorporating smart materials” goes to a team from Barkow Leibinger Architects. Chair of the jury for the Innovation prize, EPFL Professor Harry Gugger, considers the technology a genuine innovation: “Barkow and Schlaich have developed a simple monolithic structure and are simultaneously pursuing a formally ambitious concept to create an aesthetically pleasing environment that can be applied in low-cost housing.” The Innovation prize was handed over on September 12, 2012 by Werner Sobek at the IBA DOCK, the floating exposition and office building of IBA Hamburg. The renowned structural engineer and professor from Stuttgart was member of the global jury for the Holcim Awards. Roland Köhler, Executive Committee member of Holcim, and Leo Mittelholzer, CEO of Holcim Germany, spoke on Holcim’s commitment to sustainable development: “As a producer of construction materials – a position which carries privilege as well as responsibility – we are at the beginning of a value creation chain,” explained Mittelholzer. “With innovative products and processes, we are committed to seeing that the construction industry becomes sustainably aligned – in Germany and around the world.”

![Werner Sobek (left) presenting the prize to Frank Barkow and Mike Schlaich.](image1)

![Frank Barkow (right) explaining the winning project to be built in Hamburg, the home of Holcim Germany, led by CEO Leo Mittelholzer.](image2)

![The winning team of former students (from left): Povilas Cepaitis, LLuis Enrique, Diego Ordoñez and Carlos Piles.](image3)

![Congratulating Global Holcim Innovation 3rd prize winners LLuis Enrique and Carlos Piles is Alain Bourguignon (right), CEO, Aggregate Industries UK.](image4)

**Efficient fabrication system for geometrically complex building elements awarded in London**

A team of students from the AA School of Architecture in London created a smart but simple methodology to design and prefabricate building elements with complex geometries that is both resource efficient and considerably reduces construction waste. The project was awarded a Global Holcim Innovation prize 2012 at an event held on September 10, 2012 at Kent House Knightsbridge in London. The prize winners presented their project to around 150 guests. “We looked to solve the question of how to fabricate complex geometries taking all elements of sustainability into consideration,” said LLuis Enrique. The prize handover was hosted by the Holcim Group company in the UK, Aggregate Industries. The event was combined with a Pecha Kucha style workshop, chaired by Paul King, CEO of the UK Green Building Council. Lucy Musgrave, member of the Holcim Awards jury Europe 2008 and 2011, explained the inherent benefit of the project: “The Cast-on-cast project deserves commendation for opening up new approaches to production of complex geometric shapes to overcome the dilemma of high materials use to achieve a sculptural dialog.” Holcim Chairman Rolf Soiron congratulated the prize winners for their innovative thinking and enhancing the transition towards sustainable construction through practical examples and collaborative solutions: “The Holcim Awards are an enormous opportunity for professionals and students to gain visibility and to compare their projects and ideas with those of their peers.”

![Global Holcim Innovation 2nd prize: Low-cost apartments incorporating smart materials, Hamburg, Germany](image5)

The authors relied on innovative methods and materials for this design, including infra-light concrete and glued-laminated timber. As in a house of cards, massive sweeping precast concrete elements are stacked upon each other and function at once as load-bearing elements, partitions, insulating elements, and support for the heating and cooling system. The precast concrete elements for residential units from 90 to 225 square meters weigh only a third of conventional concrete.

![Global Holcim Innovation 3rd prize: Cast-on-cast: Efficient fabrication system for geometrically complex building elements](image6)

A team of students from the AA School of Architecture in London, Povilas Cepaitis, LLuis Enrique, Diego Ordoñez, and Carlos Piles, aim to create a smart but simple methodology to design and prefabricate building elements with complex geometries that is both resource efficient and considerably reduces construction waste.
Certificate handovers: Many smiling faces

Special achievements deserve special recognition: All Global Holcim Awards finalists received a certificate for their success in the competition.

There can be only one winner for each of the Global Holcim Awards Gold, Silver, and Bronze. But everyone from the total of about 6000 submitted entries who made it to the final round can be proud of their achievement. That’s why the additional 12 winners of the Regional Holcim Awards who qualified for the global final round received a certificate. The handover ceremonies took place around the globe – as this selection shows.

“City hall and civic center recycled from former factory in Oostkamp, Belgium” developed by Carlos and ELD Partnership, Belgium, up-cycles the main construction and materials and also reuses the space itself including the technical infrastructure (from left): Séverine Baudoin, Holcim Belgium, Jan Compernol, Chief Administrative Officer of Oostkamp; and project authors Bart Anthonissen of ELD Partnership, Carlos Arroyo of Arroyo Arquitectos, and Manuel Sarriano of Holcim Spain.

“Zero-net-energy school building” by Swift Lee Office (SLO) of Los Angeles provides a thoroughly developed and comprehensively presented design (from left): Project authors Nathan Swift and Gloria Lee, Swift Lee Office, with Holcim representative Paul O’Connor, Manager, Marketing Communications, Holcim US, in Los Angeles.

Recognition for the “Training center for sustainable construction” in Marrakech, Morocco, demonstrating how well earth can be combined with modern technologies: Project author Anna Heringer with team member Martin Rauch, Lehm Ton Erde Baukunst, Austria (right), and Erwin Geiser, Holcim Southern Germany, at the handover at Aedes Architecture Forum in Berlin.

Italian architects from ARCo Architettura e Cooperazione developed a concept for the sustainable refurbishment of an existing school building for a Bedouin community in Palestine: Country Manager of Holcim Italy, Piero Corpina (center) presents the finalist certificate to members of the team from ARCo (from left): Diego Torriani, Luca Trabattoni, Alessio Battistiella and Valerio Marazzi.

Ken Yeang (right) was honored as Global Holcim Awards finalist by Mahanama Ralapanawa, CEO Holcim Malaysia, for the project “Ecologically designed retail and commercial building, Putrajaya, Malaysia.”

Finalist certificate for Ziegert Roswag Seiler Architekten Ingenieure in Berlin for their “Locally manufactured cob and bamboo school building” in Jar Maulwi, Pakistan. The handover to Eike Roswag (left) by Edward Schwarz, General Manager of the Holcim Foundation, took place as part of an event at Aedes Architecture Forum in Berlin.
German architects and planners have never placed so highly in the Holcim Awards competition as in the third cycle. Their success has been acknowledged by the Holcim Foundation with the publication “Machen!” and with an exhibition at the renowned Aedes Architecture Forum in Berlin (pictured above).

Six German prize-winners received Regional Holcim Awards, and in the Global Holcim Awards three projects by authors living in Berlin were awarded: Francis Kéré won the Global Holcim Awards Gold, Tim and Jan Edler received the Global Holcim Awards Bronze, and the Holcim Innovation 2nd prize went to Barkow Leibinger Architects.

Publication with fascinating projects
The work of the German prize-winners has been specially recognized in the 136-page publication “Machen!” (to make), which presents the six awarded projects in both images and words. Clay buildings in Burkina Faso, Morocco and Pakistan, a river swimming pool precinct in Berlin, a building concept for Hamburg, and a wood structure in Finland – these prize-winning projects all share a common trait: They offer sustainable solutions for highly diverse challenges in each building context – whether economic, technical, cultural, or climatic.

Successful exhibition at Aedes
As additional acknowledgement, and sharing the same title, the “Machen!” exhibition was held in July and August 2012 at the Aedes Architecture Forum in Berlin. The invitation stated: “To develop new concepts for sustainable architecture and urban design, architects must do more than apply proven systems and data. Sustainability is a great unknown that must be continuously explored – a learning process.”

A great many building professionals are obviously interested in this process: With 5000 visitors, the exhibition was a resounding success. A contributing factor was the six prize-winning architects or teams, who presented their work at three events and participated in panel discussions. The discussions were dedicated to the following topics:

- “Savoir Vivre: How to use the city for (re)building so that it allows for different lifestyles” with Matthias Sauerbruch, Jan Edler, and Tim Edler.
- “Heating with concrete, cooling with cob: How to use the entire spectrum of materials” with Frank Barkow, Mike Schlaich, Anna Heringer, and Martin Rauch.
- “Old materials newly installed: How to modernize ancient architectural traditions” with Francis Kéré and Eike Roswag.

The second edition of “Machen!” has been expanded and features highlights of the three discussion sessions as well as the projects of the exhibition. “Machen!” Extended second edition 2012, Paperback, 136 pages, 30 cm x 24 cm, ISBN 978-3-9813436-7-0. The book can be viewed online or ordered in hardcopy at: www.holcimfoundation.org/machen
Awards Coordinators workshops: Off to the next round!

The Holcim Foundation relies on local representatives in 50 countries on all continents to support and promote its initiatives. At workshops in Belgium, Columbia, and Indonesia these Awards Coordinators were primed for the next cycle – because after the Holcim Awards competition comes the next Holcim Awards!

All Group companies of Holcim have assigned Holcim Awards Coordinators to support and promote the initiatives of the Holcim Foundation. To align these efforts, the Holcim Foundation conducts a series of workshops where Holcim Awards Coordinators learn more about the critical role of sustainable construction and effective methods to foster discussion and action.

The workshop for Awards Coordinators from Europe, North America, and North Africa initiated the preparatory work for the fourth cycle of Holcim Awards. It led to Belgium. At the workshop, the Awards Coordinators exchanged their thoughts and findings regarding the goals and best practices of promoting the Holcim Awards – and visited the work of a prize winner: The Spanish architect Carlos Arroyo led a guided tour through his city hall and civic center in Oostkamp. For the adaptive reuse of a former Coca-Cola factory Arroyo received the Holcim Awards Silver 2011 Europe.

The Awards Coordinators from Latin America met in Medellin, Columbia, more precisely in the favela Comuna 13. The architect Gustavo Restrepo and his team from the city government improved this district with numerous measures, subsequently winning the Holcim Awards Gold 2008 Latin America. Gustavo Restrepo led the workshop participants through Comuna 13 and showed them the work that has been completed in the interim: daycare centers, streets, healthcare facilities, and infrastructure for pedestrians, water and electricity.

The workshop for the Awards Coordinators from Asia Pacific was conducted in Jakarta, Indonesia. The event coincided with the inauguration of the ATMI school project in Chikarang. This latest building of a vocational training center is the result of Swiss-Indonesian partnership including Holcim Indonesia and the Holcim Foundation. The participants of the workshop attended the opening ceremony of the building that lives up to the latest standards of sustainable construction including the usage of innovative products developed by Holcim Indonesia.

Carlos Arroyo showed the Awards Coordinators from Europe, North America, and North Africa his prize-winning city hall and civic center in Oostkamp, Belgium.

A landmark building for sustainable construction in Indonesia: Awards Coordinators from Asia Pacific enjoyed a tour of the vocational training center (left) and learnt about the sustainable functionalities and material innovations applied at the new ATMI school in Chikarang.

Gustavo Restrepo, prize winner in the second cycle of the Holcim Awards, led the Awards Coordinators from Latin America through Comuna 13 in Medellin, Columbia.

Awards Coordinators workshops: Off to the next round!
In 2013 a highlight on the program of the Holcim Foundation is the International Holcim Forum for Sustainable Construction: From April 11 to 13 construction professionals from around the world will meet in Mumbai, India, to discuss the "Economy of Sustainable Construction." The Holcim Forum is conducted every three years; this will be the fourth time.

The ongoing economic challenges in many parts of the industrialized world are drivers of a paradigm shift: governments, companies, and individuals are all becoming aware that although sustainable development incurs costs, it also offers considerable economic potential. This topic, “Economy of Sustainable Construction,” is the focus of the 4th International Holcim Forum hosted by the Indian Institute of Technology (IIT Bombay) in Mumbai.

The Holcim Forum is open to academics and professionals from architecture, civil engineering, urban planning, natural and social sciences, as well as representatives from business, politics, administration, and civil society. The event is comprised of keynote lectures, four workshops, a research poster exhibition, and concluding panel discussions. The Holcim Forum will be chaired by architect Mohsen Mostafavi, Dean of the Graduate School of Design, Harvard University, USA, and co-chaired by engineer Battula K. Chakravarthy, IIT Bombay.

Participants of the Holcim Forum may register for one of four workshops. These will be organized as two half-day breakout sessions and a one full-day guided excursion, traveling to different sites throughout the city of Mumbai, a powerhouse of economic activity with opportunities, challenges, and contradictions. The four workshops investigate the following topics:

- Local resources: Leveraging regional skills and metabolism
- Compact city: Sustainable or just sustaining economic law?
- Retained diversity: Maintaining strengths while upgrading informal habitats
- Overall value: Harnessing all benefits from sustainable construction

Outstanding experts will contribute as keynote speakers:

Brinda Somaya, architect and urban conservationist from Mumbai, principal architect and managing director at Somaya and Kalappa Consultants, founding trustee of the HECAR Foundation, and advocate of the work of women architects in South Asia.

Alejandro Aravena, architect and executive director of Elemental based in Santiago, Chile, a socially-motivated company that works on infrastructure, transportation, public space, and housing projects and is partnered by the Universidad Católica de Chile. He won the Holcim Awards Silver 2011 Latin America.

Lucas Bretschger, economist and professor of Economics, ETH Zurich, director of CER-ETH, the Center for Economic Research at ETH, and member of the Advisory Body on Climate Change to the Swiss government.

Sir David Chipperfield, a multiple award-winning architect, principal of David Chipperfield Architects, and curator for the 13th International Architecture Exhibition of the Venice Biennale.

Ian Morris, Willard Professor of Classics and professor of history at Stanford University, author of “Why the West Rules – For Now: the patterns of history, and what they reveal about the future.”
Although sustainable development incurs costs, it also offers considerable economic potential. “Economy of Sustainable Construction” is the focus of the 4th International Holcim Forum, hosted by the Indian Institute of Technology (IIT Bombay) in Mumbai, India, from April 11 to April 13, 2013.

Chair: Mohsen Mostafavi. Co-Chair: Battula Chakravarthy.

Program details at: www.holcimforum.org