Giunto alla 45ª edizione, il Bologna Mineral Show si conferma come la manifestazione mineralogica più attesa in Italia e tra le più importanti in Europa. Successo sottolineato da soddisfazione e fedeltà degli espositori, unita a un contnuuo incremento del pubblico di appassionati e professionisti che ogni anno si fede a questo appuntamento.

Per l’edizione 2014, il Bologna Mineral Show conferma la formula che ha riscosso tanti consensi lo scorso anno sia per l’elevato livello dei contenuti culturali e commerciali, sia per la qualità dei servizi offerti. Particolarmente ricca l’offerta di minerali e fossili di altissimo livello provenienti da tutto il mondo, proponendo ai migliori collezionisti e commercianti del settore. La sezione culturale offre due appuntamenti ampiamente descritti al seguito con due mostre tematiche di elevatissimo spessore realizzate, come tradizione, in ambiente appositamente allesto alla scopo. Anche quest’anno è confermata la coincidenza con il Bijoux Expo, giunto con successo all’11ª edizione: un’irrinunciabile opportunità per ammirare, regalare e regalarsi un oggetto di valore e di design, all’insegna dell’eleganza e della convenienza. Rice e artigianato offrono al pubblico loggetta in argento, turchese, lapislazzuli e pietre dure dal gusto etnico, oggi tanto di moda, monili in ambra, collane asiatiche di rubini, smaraldi e altre pietre preziose. Oltre alle splendide creazioni esposte, è anche possibile acquistare pietre dure e preziose gemme per poi farsi creare un gioiello personalizzato da esperti orafi o dal vostro orefice di fiducia. Ampio spazio all’Artigianato orfao italiano che, con le sue preziose creazioni, è il simbolo del lusso made in Italy. Bijoux Expo, per tutto ciò che è bello, brillante e prezioso. Bologna Mineral Show e Bijoux Expo. Due manifestazioni, ben strette ma ad un unico prezzo, per un doppio risultato di pubblico ed espositori. Una gheota occasione per condividere insieme questi appuntamenti che di anno in anno non smetteranno di affascinare sempre nuovi visitatori ed espositori.

reached the 45th edition, the Bologna Mineral Show confers itself as the mineralogical event more expected in Italy and one of the most important in Europe. The success is granted by the satisfaction of public and exhibitors, as well as the increased influx of fans and professionals who every year are loyal to this appointment.

For the 2014 edition, the Bologna Mineral Show confirms the formula that won so many consents last year both for the high level of business and cultural aspects and for the quality of the offered services. Particularly rich is the offer of the best minerals and fossils, from all over the world displayed by top collectors and dealers. The educational sector offers two appointments, here afterwards widely described, with two special exhibitions of the highest quality, traditionally realized in a special area. Reached the 11th edition, Bijoux Expo confirms its success and you cannot miss the opportunity for admiring, presenting and allowing yourself an object of value and design, with elegance and convenience. The offer for public is rich and articulated: custom jewellery in silver, turquoise, lapis lazuli and semi-precious stones with ethnic design now so trendy, amber jewels, Asian necklaces of rubies, emeralds and other precious stones. Besides the wonderful creations on display, it is also possible to buy precious gems and semi-precious stones for creating a jewel designed for you by expert goldsmiths or your trusted jeweller. Great expectation also for the Italian artistic handicraft sector to celebrate the masterpieces of fine luxury made in Italy. Bijoux Expo is beauty, brilliancy and preciousness. Bologna Mineral Show and Bijoux Expo. Two events, well separated but at the price of one, for a double result of public and exhibitors. A delicious occasion for sharing together these appointments that year after year do not stop enchanting new visitors and exhibitors.
Per la perfezione geometrica dei cristalli, alcuni studiosi ipotizzarono dei cristalli attraverso la composizione chimica e morfologia esterna. Diffrazione dei raggi-X da parte dei cristalli. 

Nell'Area Tematica della Mostra verranno esposti minerali e cristalli, libri storici e strumentazioni scientifica proveniente da importanti Musei e collezioni private. 

**The special exhibitions**

**Portable kits for mineral analyses**

How were the minerals analysed before the improvement of the analytic techniques of the classical chemistry and then with the introduction of very powerful instruments such as the scanning electronic microscope (SEM), the microscopio elett.

**The special events**

**2014: 100 ANNI DALLA SCONTO DEI RAGGI X**

In July 2012 the General Meeting of the United Nations declared 2014 "International Year of Crystallography," as 100 years ago the Nobel Prize was awarded to Max von Laue for the discovery of X-ray diffraction on crystals. Before the X-ray discovery, mineralogy was limited to the study of crystals through chemical composition and external morphology. The geometrical perfection of crystals suggested several scientists that the matter inside was ordered in a regular way, but that was only a theory. The Cornu-Lambert effect of the crystals "died" when it was shown that, by using a blowpipe to solve the internal structure of the crystals. Now it is possible to precisely define the reticular periodicity (elemental cell) and the mutual position of atoms, essential for a precise characterization of each crystal species, a mineral or artificial. The discovery marked the birth of modern crystallography. The modern crystallography brought ahead also in fields different from mineralogy; it is essential for material sciences, physics, chemistry and biology. Thanks to crystallographic applications now we know DNA and virus structures, we produce computer microchips, we write our novels and songs and we send spacecraft to the other stars. 

**2014: CENTENNIAL OF THE DISCOVERY OF X-RAYS**

**International Year of Crystallography**

In July 2012 the General Meeting of the United Nations declared 2014 “International Year of Crystallography”, as 100 years ago the Nobel Prize was awarded to Max von Laue for the discovery of X-ray diffraction on crystals. Before the X-ray discovery, mineralogy was limited to the study of crystals through chemical composition and external morphology. The geometrical perfection of crystals suggested several scientists that the matter inside was ordered in a regular way, but that was only a theory. The Cornu-Lambert effect of the crystals “died” when it was shown that, by using a blowpipe to solve the internal structure of the crystals. Now it is possible to precisely define the reticular periodicity (elemental cell) and the mutual position of atoms, essential for a precise characterization of each crystal species, a mineral or artificial. The discovery marked the birth of modern crystallography. The modern crystallography brought ahead also in fields different from mineralogy; it is essential for material sciences, physics, chemistry and biology. Thanks to crystallographic applications now we know DNA and virus structures, we produce computer microchips, we write our novels and songs and we send spacecraft to the other stars.

**Le mostre tematiche**

**Laboratori portatili per l'analisi dei minerali**

Come venivano analizzati i minerali prima del perfezionamento del metodolo-

gie tecniche analitiche della chimica classica, e poi dell’introduzione di strumenti potentiessimi come il microscopio elettronico (SEM). La microscopio elett.

**Iycr 2014**

Max von Laue