

# Vielfalt – Natürlicher Reichtum durch Diversität

**Die Sahara – Von der Wüste zur Grünen Sahara und wieder zurück**  
**The Sahara – From desert to Green Sahara and back again**

**PLANET 1 AFRICA**

**Ein Kontinent voller Leben**  
 A continent full of life

23 Zoll Screen  
 Ca. 52 x 29,2 cm

**Wilde Bäume, wahre Schätze**  
**Wild trees, true treasures**

**PLANET 1 AFRICA**

**Afrikanische Seen: Bohren fürs Klima**  
**African lakes: Drilling to understand climate**

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**Krokodil**

**Samen plus 1**

**Samen plus 2**

**1**

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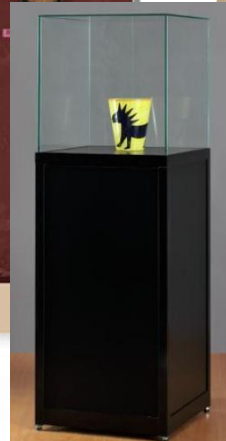
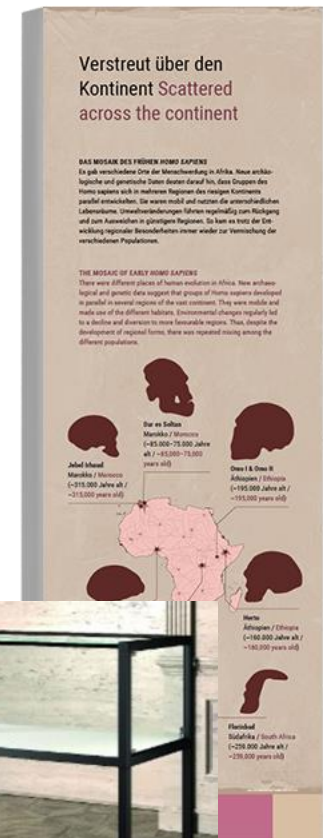
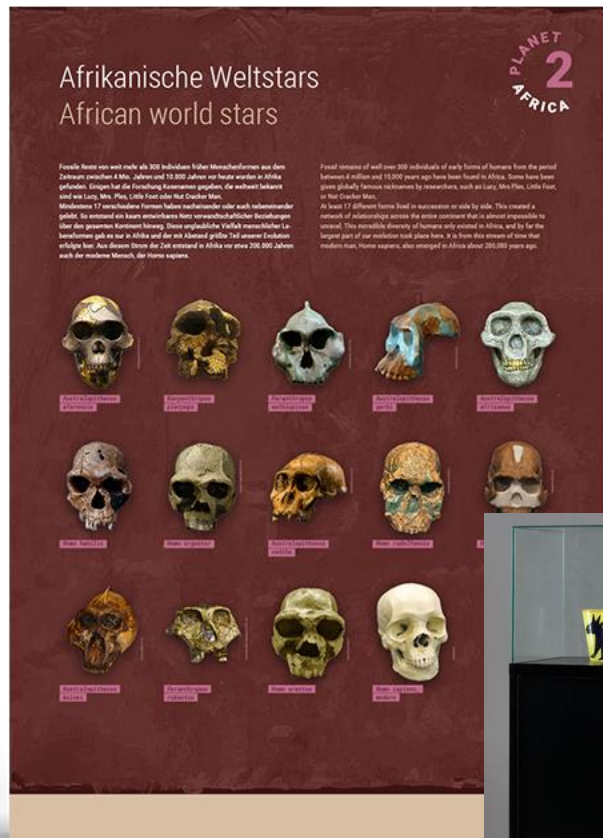
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# Menschwerdung – Erste entscheidende Schritte



Zähne gescannt  
Riesenmaulwurfsratte



Objekte Werkzeugkasten



Faustkeil



# Gewusst wie – Agiles Wissen & flexible Technik



Lampen aus Keramik

Moderne Getränkedosen/  
Flaschen Afrika

Weingefäße

Neolithisches Paket



# Zeichen & Bilder – Wissen wird visualisiert



Ockerblock, Steingeräte zum Gravieren

Papyrus

Stein mit Graffito



# Rohstoffe – Austausch, Handel, Macht

**Reich an Rohstoffen**  
Wealth in raw materials

**PLANET 5 AFRICA**

Africa was so often taken rich in a very wide variety of raw materials and resources. These formed the rudimentary base of African economies while, at the same time, serving as goods that were exchanged and traded between communities and societies. Orbs, obsidian, ivory, eggs and feathers, honey, precious stones, iron, copper, gold, tin, salt, animal skins, wax, animal organs, and even humans were traded as goods. They sailed the continent and later, after being in Europe and Western Asia and across the Indian Ocean. The extraction of these goods, their accumulation, and the trade in them led to the emergence of economies and social class, who assumed control over distribution and trade from central locations.

**WICHTIGE ROHSTOFFE UND IHRE VERTEILUNG IM VOR-KOLONIALEN ZEIT**  
IMPORTANT RAW MATERIALS AND THEIR DISTRIBUTION IN PRE-COLONIAL TIMES

**HEUTIGE VERTEILUNG WICHTIGER ROHSTOFFE, DIE BIS ANFANG DES 20. JAHRHUNDERTS IN EINERÄHNLICHEN VERTEILUNG WIE IM VOR-KOLONIALEN ZEIT**  
PRESENT DAY DISTRIBUTION OF IMPORTANT RAW MATERIALS, WHICH, EXCEPT FOR COCAINE, WERE ALREADY DISTRIBUTED IN A SIMILAR MANNER TO PRE-COLONIAL TIMES

**ABBAU MINERALISCHER ROHSTOFFE**  
EXTRACTION OF MINERAL RAW MATERIALS

- Copper
- Gold
- Iron
- Tin
- Coal
- Salt



Elfenbein  
2 Stoßzähne

**Rot wie Blut?**  
Red as blood?

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**OKER**  
Ocher is a natural pigment made from iron ore. It is used in many different colors and has been used for thousands of years. The natural pigment is found in many different colors and has been used for thousands of years. The natural pigment is found in many different colors and has been used for thousands of years.

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**In Afrika domestiziert – In die Welt exportiert**  
Domesticated in Africa – Exported to the world

**PLANET 5 AFRICA**

Einige der weltweit wichtigsten Rohstoffe stammen ursprünglich aus Afrika. Kaffee, Kakao, Pfeffer und Ingwer. Sie werden heute weltweit in Afrika in großem Maß exportiert. Die meisten dieser Rohstoffe werden seit über 2.000 Jahren in Afrika produziert. Die Kaffeebohne gelangte erst im späten Mittelalter nach Asien (das die Samen in die Hände und nur dann schickte) in die asiatische Welt und dann weiter. Dieser Prozess dauerte Jahrhunderte. Die Kaffeebohne wurde erst im 16. Jahrhundert in Afrika produziert. Sie verbreitete sich in etwa 150 Jahren und ist heute die wichtigste Rohstoffart und in zahlreichen Lebensmittelarten.

Some of the world's most important crops originate from Africa: coffee, oil palm, millet and sorghum. They are now grown on a large scale outside Africa. Peat and sorghum were exported to India over 5,000 years ago. The coffee bean has traveled from its origin in Ethiopia in the last 1000 years and, from there, quickly spread into the Arab world and then further across the globe. The fruits of the oil palm have been used in Africa for more than 10,000 years. They left Africa about 100 years ago and are still a single other source of fat and consumed in numerous foods.

**Verbreitung der wichtigsten, globalen Produktion von Rohstoffen, die in Afrika domestiziert wurden.**  
Distribution of major global production of crops domesticated in Africa

Rohstoff/Commodity	Größter Produzent weltweit / Largest producer worldwide	Größter Produzent in Afrika / Largest producer in Africa	Referenzjahr / Reference year
Kaffee/Coffee	2.7 Mio. (t)	2.7 Mio. (t)	2020
Ölpalme/Oil palm	8.8 Mio. (t)	8.8 Mio. (t)	2020
Kakao/Cocoa	4.5 Mio. (t)	4.5 Mio. (t)	2020
Pfeffer/Pepper	5.5 Mio. (t)	5.5 Mio. (t)	2020
Ingwer/Ginger	2.5 Mio. (t)	2.5 Mio. (t)	2020



Kiste 1  
mit Säcken  
Kaffee  
Ölpalmfrüchte



Kiste 2  
mit Säcken  
Millet  
Sorghum

**Vielseitiger Einsatz**  
Multi-purpose use

Straußeneier sind ein wichtiger afrikanischer Rohstoff. Die Straußeneier sind in Afrika heimisch. Die Straußeneier sind ein wichtiger afrikanischer Rohstoff. Die Straußeneier sind in Afrika heimisch. Die Straußeneier sind ein wichtiger afrikanischer Rohstoff. Die Straußeneier sind in Afrika heimisch.

The ostrich is a very important African raw material. The ostrich is native to Africa. The ostrich is a very important African raw material. The ostrich is native to Africa. The ostrich is a very important African raw material. The ostrich is native to Africa.

**Der ostrich 'Jubel'**  
The ostrich 'Jubel' (celebration) is a very important African raw material. The ostrich 'Jubel' is native to Africa. The ostrich 'Jubel' is a very important African raw material. The ostrich 'Jubel' is native to Africa.

Straußenei ganz,  
Bruch + Perlen





## Dau





Forschen, Lehren, Schützen  
Research, teaching, protection

research is often tied to modern-day national boundaries, prehistoric and historical developments were processes that crossed modern national borders. Archaeological research can therefore open up a continent-wide perspective.



## Keramikfragmente im Sand und in Alubox

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**WHY ARE YOU AN ARCHAEOLOGIST?**  
Archaeology leads people to engage with their distant past in a very special way and to make this engagement their profession. The motives for choosing a career are as diverse as the activities and talents required to do the job.

[illegible]

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**TRACKING IN CAVES**  
Millennia-old knowledge of tracking is an art and a skill that is now only maintained by a few people in the world. The Sun in Warda is among these people. Their extraordinary knowledge of the meaning of tracks is being applied in an international project to interpret tracks left by prehistoric people thousands of years ago in French caves with track art.