CERTIFICATE

issued by the Eszterházy Károly University, Eger, HU to acknowledge that SMARAGDFA® contributes to all 17 Goals of the UN Sustainable Development Goals (SDG)

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The table comprehends how SMARAGDFA® ("the plant") contributes to the 1-17 Goals of the SDG. It is established that these contributions are valid and significant in all aspects.

1	Limiting poverty is realized by reducing exposure to heatwaves and aerosol pollution, as large leaves of the plant provide pleasant microclimate and absorb dust.
2	Limiting hunger is directly realized by providing food, honey and tea. High protein animal feeding and mushroom production on the trunks are examples for indirect contribution.
3	Better health is helped by less pollution compared to fossil fuels and absorption of aerosols. Niacin content of leaves offers new perspectives for medicine, healthcare and cosmetics.
4	Education may use the long list by which the plant promotes sustainable development. Forest sites provide a creative and interactive platform to teach adults and children.
5	Gender equality is supported by providing knowledge-intensive employment for women in farm plantation and laboratory multiplication of the clones.
6	Clean water and sanitation is supported by a water saving patent in planting technology and by the potential of the filtering taproot system to decontaminate soils and waste water.
7	Affordable and clean energy is supported by the plant as bioenergy. Besides direct burning, including bio-char and pellets, biogas and methanol production is possible.
8	Decent jobs opened in wood processing and manufacturing. Prefabrication and transport of doors and houses are possible. Large, colorful flowers offer touristic attraction.
9	Wide use of the plant supports industry and innovation. Old industries, such as barrel making and paper production may be revitalized. Further research will clarify the options.
10	The plant reduces inequalities, as it can be grown in less developed countries, e.g. in Africa with hot climate and no winter calm. Green funds and industrial capital can be attracted.
11	The plant supports urban sustainability by better microclimate in eco-islands. The high ignition point makes wooden houses safer, and the nice flowers can decorate the parks.
12	Sustainable production is helped by multiple harvest of trees and high melting point of ash allowing flexible use of pellet. Circular economy is helped by few waste in manufacturing.
13	Immediate climate action is in preparation committed to settle 1000 - 25000 ha Quadrats to re-green the Sahara Desert, and to support global climate mitigation program.
14	Ocean acidification can be reduced by CO_2 absorption of the plant on the continents, if later used not for burning. Carbon farms can use diluted sea water to irrigate.
15	Life on lands is supported, as its root system limits erosion, multi-purpose reforestation is possible under wide conditions. Due to sterile seeds, the plant has no invasive character.
16	Transparent institution is represented by the two independent and certified genome banks, commissioned for efficient and controlled creation of the new clones.
17	Global Partnership is realized by examples, offering triple win solutions for the participants (developers, investors, donors). They develop the regions and support climate mitigation.

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