

iSTONE-HUB

桃子和其他核果类水果的
国际保护和评估中心



桃树的栽培与文化：挑战未来的遗产宝藏

意大利是世界上第三大桃子生产国。除经济方面外，桃文化还承载着宝贵的文化遗产，其根源可以追溯到古代中国，其后发展到罗马霍特斯和文艺复兴时期，直到出现在马萨·伦巴达（拉文纳，19世纪末意大利北部城市）的现代集约水果种植的开创性经验。传统意大利水果种植一直是行业中的佼佼者，现已在全球范围内盛行。

PeachRefpop 和品种进化参考资料集

当前，桃子和其他核果类水果（杏，樱桃和李子）面临着重大挑战，包括：

- 增强竞争力
 - 耕作方法的可持续性
 - 对气候变化和耕作环境变化的适应性
 - 抗病虫害
 - 改善水果品质

以渐进性遗传侵蚀为特征的现代化品种景观正在耗尽桃子和其他核果类水果的生物多样性。“参考”



 Università degli Studi di Milano
Department of Agricultural
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A millennium East-West bridge: the "silk road" ... The PeachReffOp is a transnational legacy of strategic interest for agriculture, science and culture. The creation of this collection is configuring as the first milestone of an ambitious international project for the preservation of the species. Moreover, it represents an unprecedented opportunity to build a bridge between its place of origin (China), the country that more than any other embodies the intertwining of botanical diversity, history, art and tradition, and Italy, the cradle of the modern fruit trees orchards. The University of Milan actively collaborates through specific agreements with two major Chinese academies: the Jilangsu Academy of Agricultural Sciences and the Liaoning Academy of Agricultural Sciences (University of China).

University, a fundamental resource for facing the new challenges of the agricultural sector. Starting from the European project Fruitbreedomics, the idea of a European network for the preservation of peach was conceived, then implemented with the creation of a reference collection (named **PeachRefPop**) based on data for over 3000 varieties from repositories of different countries.

The **PeachRefPop**, consisting of over 400 varietiesembracing most of the worldwide peach diversity, then propagated under the supervision of the University of Milan (Italy), where since 2009 is active a branch of the Confucius Institute, in cooperation with the Liaoning Normal University (China) and the Research Center for Plant Production (CPV), Cesena, Italy) and distributed to five institutions in Italy, Spain and Greece.

- Current, peach and other stone fruits (apricot, cherry and plum) are facing major challenges, including:
 - increased competitiveness;
 - sustainability of cultivation methods;
 - adaptability to climate changes and variable cultivation environments;
 - resistance to pest and diseases;
 - improvement of fruit quality.
- The progressive erosion characterizing the modern agricultural landscape is depleting biodiversity of peach and other stone fruit species. Reference, collections (also known as, core collections), have the function of preserving genetic

PeachRefPop and the reference collections for variation evolution

Cultivation and culture of the peach tree: a heritage

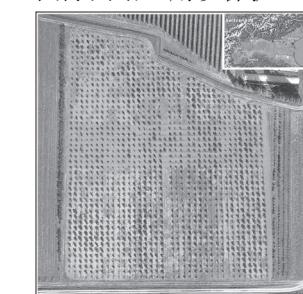
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international hub
for the conservation
and valorisation of peach
and other stone fruits

STONE-HUB

项目目标

iSTONE-HUB 宗旨是在 “Brusca” 实验站建立一个国际网络，用以保护、开发和评估位于伊莫拉（意大利艾米利亚-罗马涅，意大利）的桃子和其他核果类水果（杏，樱桃和李子）



究人员到农业部门专家和利益相关者，从学生到普通市民。

千禧年连接东西的桥：“丝绸之路”…

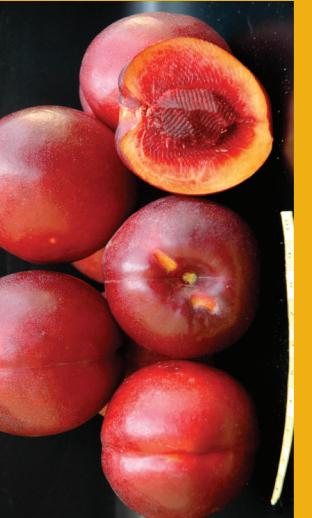
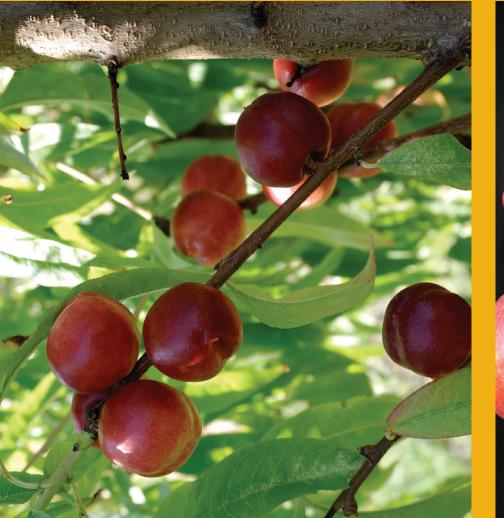
PeachRefPop 项目是对农业、科学和文化具有战略意义的共享跨国遗产。该资料集的创建是伟大的国际物种保护项目的一个里程碑。此外，它代表了一个前所未有的机会，可以在原产地（中华人民共和国，中国比其他任何国家更能体现植物多样性、历史、艺术和传统的交互）和意大利（现代果园的摇篮）之间架起一座桥梁。

米兰国立大学通过具体协议与两个主要的中国农业科学院（江苏科学院和辽宁省科学院）以及智利的农业科学研究院进行积极合作。

赞助者：科学院，文化和环境协会，学校，公共机构（部委，研究机构和大学，地方机构等）以及农业部门的利益相关者。

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