

## Co-author declaration

This declaration should describe the research contribution of both the candidate and each of the co-authors for each article constituting the thesis. For each article, the declaration should be completed and signed by the candidate and co-author(s).

**Name of PhD candidate:** Kauê de Sousa

**Article nr.:** 04

**Title:** Data-driven decentralized breeding increases genetic gain in a challenging crop production environment

**Co-author 1:** Matteo Dell'Acqua (Principal Investigator on behalf of all co-authors)

**Co-author 2:**

**Co-author 3:**

**Co-author % contribution:**

	Project idea	Planning	Data collection	Data analysis	Writing
PhD candidate	12.5	25	40	50	50
MDA	12.5	25	10	30	30
Other co-authors	75	50	50	20	20
Sum	100	100	100	100	100

**I agree to the above description:**

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**PhD candidate:**



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**Co-author 1**

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**Co-author 2**

.....  
**Co-author 3**