

My Title

Pedro Jordano

jordano@ebd.csic.es

August 28, 2015

1 *Correspondence:* Pedro Jordano, Fax: + 34 954 62 11 25.

2 E-mail: `jordano@ebd.csic.es`

3 *Running headline:* Headline title

4 *Keywords:* complex networks, mutualism, plant-animal interactions, frugivory, pollination,
5 seed dispersal, food webs

6

7 **0.1 Summary**

8 1. .

9 2. .

10 3. .

11 4. .

12 5. .

13

14 0.2 Introduction

15

16 MYTEXT.

17 A & B (2011).

18

19 Biodiversity assessment aims at sampling individuals in collections and determining the num-
20 ber of species represented. Given that, by definition, samples are incomplete, these collections
21 enumerate a lower number of the species actually present. The ecological literature dealing with
22 robust estimators of species richness and diversity in collections of individuals is immense, and
23 a number of useful approaches have been used to obtain such estimates (?????). Recent effort
24 has been also focused at defining essential biodiversity variables (EBV) (?) that can be sampled
25 and measured repeatedly to complement biodiversity estimates. Yet sampling species or taxa-
26 specific EBVs is just probing a single component of biodiversity; interactions among species are
27 another fundamental component, the one that supports the existence of species. For example,
28 the extinction of interactions represents a dramatic loss of biodiversity because it entails the loss
29 of fundamental ecological functions (?). This missed component of biodiversity loss, the extinc-
30 tion of ecological interactions, very often accompanies, or even precedes, species disappearance.
31 Interactions among species are a key component of biodiversity and here I aim to show that most
32 problems associated to sampling interactions in natural communities have to do with problems
33 associated to sampling species diversity. I consider pairwise interactions among species at the
34 habitat level, in the context of alpha diversity and the estimation of local interaction richness
35 from sampling data (?). In the first part I provide a succinct overview of previous work ad-
36 dressing sampling issues for ecological interaction networks. In the second part I discuss specific
37 rationales for sampling the biodiversity of ecological interactions.

38

39 0.3 Material and Methods

40 AAA

41

42 **0.4 Results**

43 AAA

44

45 **0.5 Discussion**

46 AAA

47

48 **0.6 Acknowledgements**

49 AAA

50

51 **0.7 Data archiving**

52

53 **0.8 Tables**

54 Table 1.

Table 1: Table 1. Simple_table.

First Header	Second Header	Third Header
First row	Data	Very long data entry
Second row	Cell	<i>Cell</i>

55

56 Table 2.

Table 2: Table 2. Prototype table

Grouping		
First Header	Second Header	Third Header
Content	Long Cell	
Content	Cell	Cell
New section	More	Data

57

58 **0.9 Figures**

59 Figure 1.

60 Figure 2.

61 Figure 3.

62

63 **0.10 Supplementary Material**

64