Shared Understandings of the Human–Nature Relationship in Encounters with Small Wildlife

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Abstract: Drawing on video data and ethnomethodological conversation analysis, the study focuses on sequences of human action and interaction in which participants orient to small wildlife within their nature-related activities outdoors. The participants are family members, friends or participants on organized outings, and they engage in activities such as trekking, foraging and fishing. The study examines moments when small wildlife become the focus of the participants’ talk and other action and when the relationship between human beings and the natural world is thus constructed in situ. The study considers how participants in such moments display, pursue and achieve shared understandings about what the appropriate ways of treating other living beings and, more generally, conducting oneself in nature are.

Keywords: conversation analysis, ethnomethodology, human–nature relationship, intersubjectivity, multimodality, nature, shared understanding, social interaction, wildlife
1 Introduction

Some recent studies that are at least informed, if not entirely driven, by a conversation-analytic understanding of social interaction go beyond human communities to explore interspecies interaction between humans and, for instance, horses or dogs (e.g. Lundgren 2017; Mondémé 2018; and see Mondémé 2016 for a review) or intraspecies interaction among other primates, such as bonobos or orangutans (e.g. Rossano 2013; Rossano & Leibal 2014). The studies shed new light not only on the particular interspecies or intraspecies interactions that are in focus but also on various aspects of sociality: what counts as participation, how are social actions to be recognized or by what means can understanding be displayed? In this chapter, we focus on intraspecies interaction among human participants to examine how interspecies relationships may be constructed. We study moments in which human participants cross paths with small wildlife, rather than domesticated animals or animals held in captivity, during their nature-related activities outdoors. We consider these brief encounters as examples of how participants display, pursue and achieve shared understandings of the human–nature relationship.
Shared understandings of nature and participants’ ongoing nature-related activities have been shown to be crucial in interactions involving decisions that include various practical, moral and financial dimensions, such as in a meeting between a landowner and an advisory professional who discuss whether particular pieces of land qualify for government subsidies (Bergeå, Martin & Sahlström 2008; see also Virkkula 2018). In the context of foraging for wild produce such as berries and mushrooms, participants have been shown to pursue shared understandings of the key characteristics of their finds in order to be able to classify and assess them, that is, to consider their value for the ongoing foraging activity (Keisanen & Rauniomaa 2019; see also Keisanen, Rauniomaa & Siitonen 2017). Furthermore, transitions from searching to picking in foraging provide a site for socializing children into the specific social order of the activity, including its particular significance for the family (Keisanen et al. 2017), in much the same way as the organization of mundane, everyday activities in the family home presents opportunities for children and caregivers to discuss and negotiate what norms and values those activities may entail for them (e.g. Fasulo, Loyd & Padiglione 2007; Fatigante, Liberatia & Pontecorvo 2010; Galatolo & Caronia 2018; George 2013; Pontecorvo, Fasulo & Sterponi 2001).

We analyze how the human participants in our data display, pursue and achieve shared understandings, or “sufficient understandings for current practical purposes” (Linell & Lindström 2016), about appropriate ways of
treat other species and, more generally, of conducting oneself in nature. We are interested in how such understandings are achieved procedurally in interaction, rather than taken as kinds of cultural givens that participants share because they are, or are becoming, members of a particular community (see Schegloff 1992: 1296–1299; on language socialization, see also Ochs 1996; Ochs & Schieffelin 1984, 2011). In other words, we consider intersubjectivity as an accomplishment that participants bring about together by producing “sequentially organized, reciprocal actions, which mutually display and confirm understandings of prior actions” (Deppermann 2019: 23; see also Deppermann 2015a, 2015b). Following Mondada (2011; see also other contributions to the special issue), we take a holistic view on how participants produce and monitor understandings through the linguistic and embodied design and the temporal and sequential positioning of their actions. That is, we recognize that, in the process of displaying and monitoring their evolving understandings, participants draw on, among other things, talk, gaze, gestures, body positions and movement in space.

After briefly introducing our data, we analyze three kinds of cases of how the human–nature relationship may be constructed in interaction. The analytic sections are organized along a continuum based on how explicitly participants negotiate appropriate orientation to the small wildlife that they encounter. We conclude by reflecting on how our findings contribute to a fuller appreciation of how the human–nature relationship may be
constructed in human social interaction as well as to a holistic view on how shared understandings may be displayed, pursued and achieved.

2 Data

For this study, we have viewed approximately 18 hours of video recordings from relatively unbuilt outdoor settings where participants are engaged in a nature-related activity, such as trekking, foraging or fishing. The data are in English and Finnish. The participants include families with children or groups of friends on casual outings, or groups of people on organized, instructed excursions. During their nature-related activities, the participants sometimes cross paths with other species and make them temporarily the focus of joint orientation and action. Our data comprise cases in which the participants come across wild but common invertebrate species, such as ants, slugs, mosquitos and butterflies. In the cases that we have included in the data, the participants talk about and possibly organize their ongoing activities around either animals that are currently present or visible traces of animals that may take the form of, for instance, anthills, trails of slugs or insect bites. We draw on ethnomethodological conversation analysis to examine the data (see, e.g. Garfinkel 1967; Heritage 1984; Sacks 1992) and follow transcription conventions introduced by Jefferson (2004) and Mondada (2019).
3 Analysis

In our data, sequences of interaction that concern small wildlife are typically initiated with a noticing: a participant points out and makes relevant something (i.e. here, an animal or traces of an animal) in the present environment and attempts to establish joint orientation to it (Goodwin & Goodwin 2012; Sacks 1992: 90; Schegloff 2007: 219; see also Keisanen 2012). Children, especially, may also expand noticings into occasioned knowledge explorations, in which they make imaginative inquiries about the world (Goodwin 2007; see also Waters & Bateman 2015). In sequences initiated through noticings about small wildlife, the wildlife then become the focus of the participants’ talk and other actions, and the participants display, pursue and achieve shared understandings about appropriate ways of treating the wildlife.

The following subsections are organized along a continuum of increasing involvement in negotiation, demonstration and instruction: First, participants may all treat the wildlife in more or less the same way, displaying their already established shared understandings (Excerpt 1). Second, participants may pursue shared understandings by treating the wildlife in particular ways and simultaneously providing accounts for doing so (Excerpts 2–3). Third, participants may pursue shared understandings by
guiding others to treat the wildlife in particular ways and holding others accountable for doing so (Excerpts 4–5).

3.1 Displaying Shared Understandings

On encountering other species during an ongoing activity, nature-goers in the data may establish a shared understanding of how to orient to the animals without any explicit negotiation or account. Nevertheless, such encounters provide an opportunity for participants to display their shared understanding in that they deal with the animals in similar ways, treating them as living creatures that belong to the particular ecology of the forest – and that may, depending on the species and the situation, be considered useful, dangerous, pleasant or annoying, for example.

In Excerpt 1, three friends, Mikko, Patrick and Pertti, are on a bird-hunting trip. The excerpt includes talk in English and Finnish, both of which all the participants speak fluently. The participants have been walking in the same direction with some distance between them, to cover a maximal area where game bird may be found, but now they gather together to negotiate how to continue. In Excerpt 1, the participants make note of the considerable number of moose flies. Moose flies, or deer keds, are parasites that live on the blood of their host animals, typically moose (Mysterud et al. 2016). Once they have landed on an animal, moose flies shed their wings
and burrow themselves into the animal’s fur, or, in humans, usually into the hair. It is therefore harder to shoo them off than mosquitos, for example.

**Excerpt 1**: *couple moose flies* (36COACT Hunting 00:05:05 / 00:05:03)

(± = Pertti’s embodied conduct; * = Patrick’s embodied conduct; □ = Mikko’s embodied conduct)

01 MIK:  *couple moose flies,*
       pat  >>walks twd Per-->

02  (0.5)

03 PAT:  a couple.

04  (3.8)

05 PAT:  what do you think?

06  (.)

07 PER:  tsk .hhh *well we have advanced,
       pat  -->>*

08  (0.9)

09 PER:  ±just as planned?
       ±rubs neck-->

10  (0.3)

11 PAT:  mm,

12  (.)

13 PER:  .hh* ±but uh:,*
       -->>±touches head, picks off a moose fly-->
       pat  *takes cap off, hits it on his leg*

14  *(1.8)

       pat  *wipes head-->
15 PER: (there are) #s(h)0 m(h)any of them,#

mik  "wipes neck-->

fig  #1a       #1b

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Fig. 1a: Pertti (left) and Patrick (right) wipe their heads.

Fig. 1b: Mikko wipes his neck.

16 PAT: yeah,

mik  -->

17  #(0.1)#*(1.6)#

mik  "wipes moose flies off Per"
pat  -->*puts cap back on-->
fig  #1c
At the beginning of the excerpt, Patrick is walking towards Mikko and Pertti, who have already stopped. Pertti is viewing his smartphone, which has a map application that tracks their location via GPS. As Patrick gets closer, Mikko produces a noticing, *couple moose flies* (line 1), which is
evidently an understatement about the number of insects at their present location. Patrick responds with a couple (line 3), aligning with the noticing as well as the irony evoked in it. After this brief exchange about the insects, the participants initiate talk about which direction they should take next to advance the bird-hunting activity (lines 5–13). During their planning talk, however, all three participants begin to deal with the moose flies that have landed on them: Pertti rubs his neck and head already during his verbal turn, Patrick removes his cap to wipe his head and Mikko begins to wipe his neck, too (Figures 1a–b). That is, the participants all deal with the insects by trying to rub or wipe them off, without any explicit (verbal or embodied) negotiation of how this should be done.

The planning talk is soon suspended altogether (see Haddington, Keisanen, Mondada & Nevile 2014: 24–25), and the participants focus on the moose flies. Pertti assesses the sheer volume of them in both English (there are so many of them, line 15) and Finnish (niitä on joka paikassa ‘they are everywhere’, line 18), while the participants continue to pick insects off of themselves and each other (Figures 1c–d). Pertti’s assessments, together with the participants’ more or less identical embodied actions, create shared laughter (lines 22–24). The laughter reflects the participants’ having a shared understanding of the situation (see Glenn 1989): evidently the multitude of the moose flies makes the situation not only uncomfortable but somewhat absurd.
In Excerpt 1, moose flies become the joint focus of attention and action for the participants for a while. The participants achieve a shared understanding of appropriate conduct towards the insects in the present situation not only by taking note of and assessing their number but also, and perhaps mainly, by all producing similar embodied actions to deal with them. That is, the rubbing, wiping and picking of the insects show that the participants consider the number, movement and close contact of the insects bothersome and getting rid of them as the appropriate way of treating them.

In the following excerpts, participants adopt more respectful orientations to small wildlife and do so, among other things, through demonstrations or instructions.

3.2 Setting an Example and Guiding Others to Achieve a Shared Understanding

In Excerpts 2 and 3, we join participants on a one-day course that concerns the identifying, picking and preparing of wild mushrooms. In comparison with Excerpt 1, the interactional setting is less symmetrical: there are two instructors and thirteen course participants, who alternate between spreading out to pick mushrooms and gathering together to share their finds (see Keisanen & Rauniomaa 2019). Here, we focus on two occasions in which someone finds a slug in a mushroom that they have picked and one of the instructors shows and tells what may be done about it. That is, through both
what she does and says, the instructor provides a kind of a demonstration (see Keevallik 2010), sets an example, on how to treat small wildlife in appropriate ways. She may also guide the less experienced participants explicitly, inviting them to treat the wildlife in the same way that she does. The kind of orientation that is constructed is different from that seen in Excerpt 1: while the slugs in Excerpts 2 and 3 also need to be removed from their current location, that is, off the particular mushrooms that have been picked, the participants take care that the slugs remain alive and in their natural habitat.

In Excerpt 2, the instructor, Elina, and a course participant, Kaisa, are picking mushrooms and making decisions on which ones to keep. Kaisa finds a slug in a mushroom that she is holding.

**Excerpt 2: tääl on kans pikkut etana** ‘there is a small slug here also’

(08HANS Sieniretki 00:27:02)

(± = Elina’s embodied conduct; □ = Kaisa’s embodied conduct)

01 ELI:  myöhemmin mui[stuttaa.

  *remind later*

  >>holds mushroom in LH; holds RH by the side-->

  kai >>holds mushrooms in RH; inspects mushroom in LH-->

02 KAI:  [tääl on kans pikkut etana.

  *there is a small slug here also*

  -->≈
03 KAI:  "ruuka#taan°(ko niitä) edes tsyyä semmo±sia?°±#
         do {people} usually even eat those
         holds mushroom in LH------------------->
         eli          -->±..........±grabs
               mushroom±
fig       #2a                        #2b

Fig. 2a: Kaisa (left) has made a noticing.

Fig. 2b: Elina (right) grabs the mushroom in Kaisa’s hand.

04    ±(0.4)±
         eli    ±takes mushroom from K±inspects mushroom-->
05 ELI:  e:i  =niit(ä kannate).
          it is no use {eating} them
         kai      ±inspects mushrooms in RH-->
06 (0.3)
07 KAI: joo.
yes
08 KAI?: ne ei oo ehkä hirven hyvän näköisiä.
they aren’t perhaps awfully good-looking
kai -->
09 □(0.7)□(1.0)#
kai □takes mushrooms in LH□ lowers LH□
fig #2c

Fig. 2c: Kaisa lowers mushrooms.

10 ELI: no pe:riaatteessa nää ois,
well in principle these would be
11 (0.3)
12 ELI: ois tuota mää katon,
would be erm I’ll check
13 (.)*
eli -->*picks a slug off mushroom-->
14 ELI: monesti tullee, (.) tälleen pikakurkattua.
often {I} do a quick check like this
15 nää ois ihan tiininku syötää viä.
these would actually be like edible
-->‡……………-->

kai #lifts LH->

fig #2d

Fig. 2d: Kaisa lifts mushrooms up again.

16 ELI: ımää JÄTTÄSIN NUO ettanat.
I would leave the slugs
-->‡squats down;
lowers RH to ground-->

kai #inspects mushrooms-->

17 ELI: ımää on vähän liian teläinratkas ni
I’m a bit too fond of animals so

‡lifts RH‡cleans mushrooms-->>

kai -->‡cleans mushrooms-->

18 ELI: ımää jätän nuo [etanat tänne met:t(h)ään.] ı
I leave the slugs here in the woods

19 KAI: [theh

-->ı

20 ELI: ıhehe

#inspects mushrooms-->
21 KAI: aivan?  
   right  
22 (.)  
23 ELI: heh  
24 (1.2)#(0.4)  
   kai  -->#lowers mushrooms to ground-->  
25 KAI: no# i(tän) varmaan,@  
   well this probably  
   fig  #2e  
26 ELI: joo:??  
   yes  
   fig  #2f  
27 KAI: mää jätän tuohon,  
   I’ll leave this there  
28 (0.6)#  
   kai  -->#  
29 ELI: joo.  
   yes  

Fig. 2e: Kaisa lowers mushrooms.
While inspecting the mushroom (see Mortensen & Wagner 2019; see also Keisanen & Rauniomaa 2019), Kaisa makes a noticing: *tääl on kans pikkut* *etana* ‘there is a small slug here also’ (line 2), *kans* ‘also’ probably referring to a similar previous noticing by Elina (discussed in Excerpt 3). Kaisa continues to inspect the mushroom and asks Elina whether mushrooms that have been eaten by slugs are usually eaten by people (line 3). At this point, Elina takes the mushroom from Kaisa and begins to inspect it (Figures 2a–b). Although she initially provides a negative response (line 5), Elina finally concludes that the slug-eaten mushrooms that Kaisa has referred to are ‘in principle’ edible (line 10). She then holds the mushroom in Kaisa’s field of vision and picks off the slug from the mushroom, providing at the same time an explanation of how she usually does ‘a quick check’ (lines 12–15; see Heritage & Stivers 1999 on similar online commentary). After Elina’s initial negative response, Kaisa inspects the mushrooms that she is holding in her right hand, takes them in her left hand and begins to lower them next to Elina’s basket (Figure 2c). Throughout Elina’s subsequent explanation,
Kaisa holds her hand in this lowered position, but she then lifts her hand up and begins to inspect the mushrooms again (Figure 2d). Elina now continues with another explanation, mää jättäsin nuo etanat ‘I would leave the slugs’ (line 16), squats down and apparently places the slug on the ground.

Both Elina and Kaisa then begin to clean the mushrooms that they are holding, and Elina provides an account of how she treats slugs: mää on vähän liian eläinrakas ni mää jätän nuo etanat tänne mettään ‘I’m a bit too fond of animals so I leave the slugs here in the woods’ (lines 17–18). Elina presents herself as going to extremes in her respectful treatment of other species, perhaps in contrast with what may generally be expected of foragers, and this receives amused and acknowledging responses from Kaisa (lines 19 and 21). After Elina’s account, Kaisa once more inspects the mushrooms in her hand but then begins to lower them again and, after seeking and receiving confirmation from Elina (lines 25–29), leaves them on the ground (Figures 2e–f) and moves on (data not shown). In short, Elina has here set Kaisa an example of how foragers may deal with slugs and slug-eaten mushrooms: she has provided verbal explanations and accounts, as well as an embodied demonstration of what she typically does. Kaisa follows Elina’s example in carefully inspecting and cleaning the mushrooms but eventually deems the mushrooms as not worth keeping (see Keisanen & Rauniomaa 2019). The participants can thus be seen to achieve a shared understanding of how to treat slugs in the context of foraging: rather than simply discarding the mushrooms that have slugs on them, the participants
consider the mushrooms as possibly consumable, and rather than simply picking and brushing the slugs away, the participants handle the slugs with some care and gently lower them to the ground.

In Excerpt 3, Elina similarly sets an example of a respectful orientation to slugs but this time does more work to engage her co-participant in the saving of a slug as a joint endeavor. Here, Elina is walking along a path with another course participant, Mikael. Before the beginning of the excerpt, Elina has picked a mushroom from the side of the path.

**Excerpt 3**: meille tuli näköjään etana matkaan ‘apparently a slug tagged along with us’ (08 HANS Sieniretki 00:24:50)

(±, * = Elina’s embodied conduct; □, § = Mikael’s embodied conduct)

01 ELI:  (täss) on kuule# semmonen ku ;ryytio=rakais.

here’s you know one called woolly tooth.

>>walks along path---------------------į

>>inspects mushroom-->

mik >>walks along path behind E---------#passes E-->

fig #3a
Fig. 3a: Elina (left) makes a noticing.

02 ELI:  meille tuli näköjään etana matkaan.
           apparently a slug tagged along with us
     mik   --> walks ahead = turns to look back-->

03 ELI:  ei moteta oteta sitä.
           let's- let's not take it
     mik   --> walks back to E-->
     fig   #3b

04 MIK:   [ ↑NÄYTÄ.
           show {me}

Fig. 3b: Mikael (right) turns in direction of Elina (left), who has stopped.
05 (0.8)
06 ELI: jo[o.
yes
07 MIK: [heu he he
-->*stops to look at mushroom-->
08 (2.0)
09 ELI: "sie*llä on."
there is
-->*removes slug-->
10 (1.1)
11 ELI: [jätetään se,]
let’s leave it
12 MIK: [<\eta]na> [<\#tana.>] ((singing))
slug slug
13 ELI: [:jä#tetään se tä]nne me*t:šään.]*
let’s leave it here in the woods
-->*turns, looks away*

mik -->

fig #3c
Fig. 3c: Elina picks slug out of mushroom, and Mikael monitors.

14 \( t_m(0.4) \)

eli \( t \) walks ahead along path-->

mik \( \rightarrow \) turns away from mushroom-->

15 MIK: \([\text{jo} (\text{he-})\ ]\)  

yes (--)  

16 ELI: \([\text{etitään s]}\text{ille}# \text{etippä sišlle}\)  

let’s find it     (you) find it  

mik \( \rightarrow \) walks along path with E-->

mik \( \rightarrow \) orients to bucket-->

fig \( \rightarrow \) #3d

Fig. 3d: Elina and Mikael continue walking and look for mushroom.

17 ELI: \([\text{semmonen sopiva korvaa}]\text{va sieni.}\)  

a suitable substitute mushroom

18 MIK: \([\text{\textasciitilde{TÄÅL} on hyvä sieni.}]\)  

here’s a good mushroom  

\( \rightarrow \)$$

19 MIK: \( (\text{tiiti,})\)
Having picked the mushroom and inspected it for a moment, Elina identifies it for Mikael as a woolly tooth (ryytiorakas, line 1). Elina places emphasis on the name of the mushroom and also uses the attention getter kuule ‘you know’ (lit. ‘hear’; see Hakulinen, Keevallik Eriksson & Lindström 2003). The design of the turn projects more talk about the mushroom; indeed, in these data, an identification of a mushroom is typically followed by a
description of its characteristics (see Keisanen & Rauniomaa 2019).

Moreover, by continuing to walk throughout her verbal turn, Elina orients to the present topic as one that can be advanced while on the move (Figure 3a). However, after her turn in line 1, Elina stops walking and changes the course of her talk by making a noticing: *meille tuli näköjään etana matkaan* ‘we apparently picked a slug with it’ (line 2). She then produces a proposal (see Couper-Kuhlen 2014), *ei moteta- oteta sitä* ‘let’s not take it’ (line 3), and begins to pick the slug out of the mushroom. In this way, Elina accounts for having stopped and indicates that she is now engaged in an activity that requires her to stand still.

During Elina’s noticing, Mikael has walked forward, but he now stops, turns, walks towards Elina and requests her to show him the slug (line 4; Figure 3b). Mikael then monitors from close range, singing ‘snailie, snailie’, as Elina picks out the slug and produces another proposal, *jätetään se, jätetään se tänne mettään* ‘let's leave it, let’s leave it here in the woods’ (lines 11 and 13; Figure 3c). It is worth noting that both the initial noticing and the subsequent proposals imply that the participants are involved in a joint activity (see Rauniomaa 2017). Now that Mikael is clearly focused on the slug, too, Elina self-repairs from a proposal, in colloquial first-person plural, into a directive, in second-person singular, for Mikael to take up the task *(etitään sille etippä sille* ‘let’s find it {you} find it’, lines 16–17; Figure 3d; see Rauniomaa 2017; see also Raevaara 2017). In partial overlap, after having a look in his bucket, Mikael exclaims to have found ‘a good
mushroom’ (line 18). Elina, however, does not accept the mushroom that Mikael offers but walks across to the side of the path and squats down to place the slug on a mushroom still growing in the ground (Figure 3e). In sum, Elina demonstrates and guides Mikael in treating small wildlife with respect: not only do they leave the slug in its natural habitat, in the forest, but they also put some effort into finding another mushroom to place it on.

In Excerpts 2 and 3, we saw how a more experienced forager, a professional, displays her orientation to slugs, acknowledging their entitlement to mushrooms as a part of their natural habitat and source of food, which happens to be a source of food also for humans. This orientation is evident in her embodied actions of stopping, inspecting, picking the slug and placing it on another mushroom as well as in the ways in which she explains and accounts for those actions. She sets an example for the less experienced to follow at their will, on this and possible future occasions (especially Excerpt 2), and, additionally, invites and guides the less experienced to conduct themselves in similar ways (especially Excerpt 3). In these cases, the less experienced do follow the more experienced forager’s example or at least momentarily engage in saving the slugs together with her.

3.3 Guiding and Instructing Others to Pursue a Shared Understanding
In Excerpts 4 and 5, shared understandings about appropriate ways of treating small wildlife are negotiated between family members of various ages, that is, again in a somewhat asymmetrical interactional setting. In contrast with Excerpts 2 and 3, in which an instructor implicitly directs course participants by inviting and guiding them to follow her example, here the more experienced participants, caregivers, explicitly instruct the less experienced participants, children, on how to treat ants. Indeed, using linguistic resources such as the imperative form and the zero-person construction, they produce verbal directives that guide the recipient’s conduct in both the present situation and similar ones in the future (see Laitinen 1995; Raevaara 2017; Rauniomaa 2017). They may also cut off the recipient’s embodied actions and thus display that they treat such conduct as somehow problematic, in which case control touch and carrying may also be employed (see Cekaite 2015).

In Excerpt 4, the participants negotiate the appropriate treatment of ants, as small wildlife to observe but not to touch. Here, three-year-old Risto, his mother and his grandfather notice an anthill when picking bilberries. Only Risto is visible in the video recording.

**Excerpt 4:** *hei siinoo paljom muulahaisia* ‘hey there are lots of ants’ (06 HANS Mustikassa I 00:14:35)

(§, * = Risto’s embodied conduct)
01 GRA: r[is(to).
02 RIS: [HE[:$I,
    hey
    >>looks at anthill-->$turns to M-->  
03 MOT: [:SIinä kuule,$ hhh nii.$
    there you know hhh yes
    ris -->>$looks at M$turns to anthill-->  
04 (.)
05 RIS: hei* sii$noo*, (.)*pa*ljom m*uula*haisia.
    hey there are lots of ants
    *..........*points at anthill*,*,*  
    -->$looks at anthill-->  
    fig #4a

Fig. 4a: Risto looks at and points to anthill.

06 MOT: nii on.
    yes there are
07 (.)
08 MOT: *kuhina käy.
    it’s swarming
09  (2.7)
10 MOTO:  katopa tänne pušuhunki.
        look here on the tree too
        ris  -->$turns to tree-->
11  $(0.4)$(0.7)$(0.7)
        ris  -->$looks at tree$no longer visible in video-->  
12 MOTO:  sii:nä ne mennee.
        there they go  
13  $(0.4)$
14 GRA:  se mennee ↑puu$shun siel on,$
        it goes in the tree there is  
        ris  -->$looks at anthill$  
15  $(0.6)$(0.3)
        ris  $turns to tree$walks twd tree-->  
16 RIS:  minä voisim na$pata yhen$ muula[(haisen).
        I could snatch one ant.
        -->$stands in front of and
        looks at tree-->>  

fig  #4b

Fig. 4b: Risto approaches tree.
17 MOT: [velä ota. =
    don’t take.

18 MOT: =anna niitten rauhassa kato,
    let them (be) in peace see
19 (0.6)
20 MOT: ne men[nee si-]
    they go the-
21 RIS: [ne voi] pulata.
    they can bite
22 (.)
23 MOT: no vo:i ne purastaki.
    well yes they can bite too
24 $(1.0)$$(.)#
    ris $stretches out RH$ holds RH up-->
25 MOT: $ei kan[nata ottaa.]$
it’s no use taking

26 GRA: [ne pissa] päälle jöös (m[eet lähelle]).
they pee on you if you go near

cut

ris -->§withdraws RH slowly-->

27 MOT: [velä ota.
don’t take

30 MOT: nii,
yes

Fig. 4d: Risto withdraws his right hand.

The excerpt begins with the grandfather, Risto and the mother each
producing in overlap linguistic elements that are typically used to bring
about joint attention (see, e.g. Tomasello 1995): the grandfather starts with
the address term Riste (line 1), Risto with the attention getter hei ‘hey’ (line
and the mother with the deictic adverb *siinä* ‘there’ and the attention getter *kuule* ‘you know’ (line 3; see Hakulinen et al. 2003). Indeed, they all employ linguistic resources typical of constructing noticings (see Goodwin & Goodwin 2012), and Risto also turns to look at the mother at the end of his turn. The mother cuts off her own turn and positions herself as a recipient with the particle *nii* ‘yes’ (line 3), displaying orientation to the course of action initiated by Risto. After getting the mother’s attention, Risto turns back to the anthill and produces a noticing that indicates where and what the others are to look at. He also describes the target with *paljom muulahaisia* ‘lots of ants’ (line 5, Figure 4a). The mother first claims to have perceptual access to the target by producing the unmodified agreement *nii on* ‘yes there are’ (line 6; see Sorjonen & Hakulinen 2009) and then demonstrates that she sees the anthill and adopts a similar perspective towards it by providing a description of her own (*kuhina käy* ‘it’s swarming, line 8; see Goodwin & Goodwin 2012; see also Mondada 2011). At this point, the participants apparently remain at a distance from the anthill (Figure 4a) and thus display that they have a shared understanding of their ongoing activity as being about observing ants. The mother then directs Risto to look at a tree (line 10), and Risto turns towards the tree on which more ants can be found.

Next, Risto walks to the tree to take a closer look at the ants and proposes to snatch one of them, employing the conditional modal verb *voisin* ‘I could’ (lines 15–16, Figure 4b). However, the mother explicitly
guides him not to do so by using imperative forms, the first of which (elä ota ‘don't take’, line 17) forbids Risto to follow the course of action that he has proposed and the second of which (anna niitten rauhassa ‘let them {be} in peace’, line 18) suggests an alternative course of (non-)action that Risto is to follow. The mother’s directives are followed by the attention getter kato ‘see’, which typically projects a forthcoming account (Hakulinen & Seppänen 1992; see Siitonen, Rauniomaa & Keisanen 2019; see also Raevaara 2017). Here, after a 0.6-second pause, the mother begins an account by referring to what the ants are doing (ne mennee si- ‘they go the-’, line 20). Risto, too, orients to an account being relevant at this point by providing one in overlap with the mother’s turn: ne voi pulata ‘they can bite’ (line 21). Whereas the mother’s directives and account have implied that they should respect the ants’ right to be left in peace, Risto’s account suggests that they should not touch the ants because the ants might hurt them. Indeed, the verb + subject construction (see Hakulinen & Sorjonen 2009) as well as the dispreferred features, namely the turn-initial no ‘well’ (see Raevaara 1989) and the lengthened vo:i ‘can’, in the mother’s following response (no vo:i ne purastaki ‘well yes they can bite too’, line 23) display that Risto’s account does not match the mother’s. Nevertheless, the clitic -kin ‘too’ at the end of the verb puraista ‘bite’ indicates that the mother accepts Risto’s account as well.

Still standing by the tree, Risto stretches out his right hand as if to snatch an ant (line 24, Figure 4c). Again, the mother forbids him, but this
time designing the directive as a zero-person construction, *ei kannata ottaa* ‘it’s no use taking’ (line 25). By employing such a construction, the mother treats the nominated action as valid both in the current situation and in similar ones more generally (see Raevaara 2017; Rauniomaa 2017), and by employing the verb *kannattaa* ‘be worth it; be of use’, she appeals to reason, rather than empathy. Partly in overlap with the mother’s directive, the grandfather joins in and explicates another reason not to go near the ants. By saying *ne pissaa päälle jos meet lähelle* ‘they pee on you if you go near’ (line 26), he, too, suggests that the ants’ ability to cause harm or inconvenience to human participants is the reason to keep away from them.

So far, Risto has held his right hand up relatively close to the ants on the tree and, in this way, displayed that he does not comply entirely with the mother’s directives but continues to orient to the possibility of snatching an ant. After the grandfather’s informing about the possible unpleasant consequences, however, Risto starts to withdraw his hand very slowly. At the same time, the mother forbids Risto to take an ant one more time (line 27). By withdrawing his hand and by repeating the grandfather’s warning (line 29, Figure 4d), Risto displays that he now aligns with the nominated action, not to touch the ants. The other participants, in turn, do not provide any further directives and thus treat Risto's conduct as an indication of the achievement of a shared understanding that the ants should be left in peace.

In Excerpt 5, we see the same family spotting another anthill a year later, when also the father and Risto's two-year-old little brother, Väinö, join
the others on an outing. Here, too, the caregivers guide the children to treat ants and anthills with respect, but, in contrast with Excerpt 4, the participants do not use the ants’ ability to cause harm to humans as the reason not to go near them. Instead, as they talk about the ants, the participants refer to them by using terms that are familiar to the children from their own human environment and thereby aid the children in taking into account the perspective of the ants (see Galatolo & Caronia, 2018). In other words, the caregivers appeal to and develop the children’s sense of empathy. The excerpt starts with a noticing by Risto.

**Excerpt 5:** _tuossa on tiiäkkö kuule maulahaisen keko_ ‘there is you know listen an ant’s hill’ (22 HANS Mustikassa II 00:07:37)

(□ = grandfather’s embodied conduct; §, * = Risto’s embodied conduct; % = Väinö’s embodied conduct)

01 (1.8)* (0.3)

| gra | >>assists V-->
| ris | >>looks at anthill-->
| ris | *.....-->

02 RIS: *kato pap*pa.#

look grandad

-->*points at anthill with cup-->

| fig | #5a |

---

36
Fig. 5a: Risto looks at and points to anthill but remains at some distance from it; and grandfather assists Väinö in getting up.

03 (.)

04 RIS: tuossa on tiiäkkö kuule muulahaisen keko. *#  
there is you know listen an ant’s hill

-->§looks at G§

-->*

gra   -->=straightens up,

turns to look at anthill-->

fig

#5b

Fig. 5b: Risto points to anthill but looks at grandfather; and grandfather orients to anthill.

05 #* (.)
ris $turns to anthill-->
ris *,,,-->

06 GRA: siiens $ on muuran*haisen keko.
there is an ant’s hill
-->$turns back to V$bends down to assist V-->
ris -->$looks at anthill-->
ris -->*

07 (0.9)

08 RIS: m[istä (tuo)$ liikoo tuon muu$hais[e$[n keko.
what (that) one breaks that ant’s hill
gra -->$lifts V up----------------->$lets V go,
steps bwd-->
-->$turns to G-------$looks at G-->

09 MOT: [öh-, [e::i saa
{one} mustn’t

10 GRA: ]

11 rikkoa.$
break {it}
-->*

12 RIS: mitä jos sen liikoo.$
what if {one} breaks it
gra $steps bwd-------------$

13 FAT: >sit muurahaisella ei oo kotia.<
then the ant doesn’t have a home

14 (.)%(.)
väi $walks twd anthill-->

15 GRA: $n=Si[in. ]S[muura-,]
that’s right. the an-
The grandfather is busy assisting Väino when Risto produces a noticing about an anthill (*kato pappa. tuossa on tiiäkkö kuule muulahaisen keko* ‘look grandad. there is you know listen an ant’s hill’, lines 2 and 4). Risto also looks in the direction of the anthill and points at it with a paper cup in his hand (Figure 5a). At the end of the verbal noticing, by glancing at the grandfather, Risto ensures that they share the same focus of attention. At this point, the grandfather has indeed already straightened up and turned to look at the anthill (Figure 5b). Then, turning back to Väinö and bending...
down to assist him, the grandfather verbally affirms Risto's noticing (*siinä on muurahaisen keko* ‘there is an ant’s hill’, line 6). At the same time, Risto looks at the anthill again and subsequently expands the noticing into a knowledge exploration (see Goodwin 2007), asking about the consequences of breaking the anthill (*mitä (tuo) liikoo tuon muulahaisen keko* ‘what (that) one breaks that ant’s hill’, line 8). The grandfather explicitly forbids him to break it (*eipaa rikkoa* ‘{one} mustn’t break {it}’, lines 10–11) and, by using the zero-person construction, portrays the nominated action as a more general piece of advice that concerns also other people and other situations (see Raevaara 2017; Rauniomaa 2017). However, the grandfather does not account for the directive.

Consequently, Risto repeats his previous question and, by using the conjunction *jos* ‘if’ and the zero-person construction, highlights it as a hypothetical one, an initiation of a knowledge exploration (*mitä jos sen liikoo* ‘what if {one} breaks it’, line 12). In line with this, Risto neither approaches the anthill nor orients to it in other embodied ways. The father (not visible on video) answers Risto’s question in terms of human phenomena, i.e. having a home (*sit muurahaisella ei oo kotia* ‘then the ant doesn’t have a home’, line 13), and both the grandfather and the mother confirm this explanation with the particle *niin* ‘that’s right’, produced with emphatic prosody starting with high pitch (lines 15–16). Risto himself complements the explanation by referring to an ant as a sentient creature that is capable of being annoyed and, in so doing, displays his ability to take
the other’s perspective (*sitte ne ni- niitä halmittaa* ‘then they the- they are annoyed’, line 17; see Galatolo & Caronia 2018). The mother and the father soon confirm the inference that Risto has made (lines 18–19).

It is worth noting that, throughout the excerpt, Risto, the grandfather, the mother and the father all stand some distance away from the anthill and do not display any intention of moving closer to or touching it. The two-year-old Väinö, however, starts to walk towards the anthill in the middle of the knowledge exploration between Risto and the caregivers. The grandfather orients to Väinö’s embodied conduct first by following him and later by using control touch and carrying to stop his movement towards the anthill (data not shown; see Cekaite 2015).

Excerpts 4 and 5 show that, in natural outdoor settings, the caregivers explicitly direct the children to conduct themselves in ways that the caregivers consider appropriate. In this socialization process, the participants employ multiple resources, including language, bodily conduct, (non-)movement, touch and carrying, to construct a respectful orientation towards ants as entitled inhabitants of the forest, in particular, and towards other living beings, in general. The children, in turn, are treated as accountable for complying with the directives and thus displaying in situ that they subscribe to the values set forth by the caregivers. Such values are best established and maintained in those extraordinary moments of everyday life in which human participants cross paths with other species in the wild: unlike the family pet of which children take care and to which they are
emotionally attached, or indeed the exotic beast about which children have learnt in television documentaries and which they follow in awe from behind a glass wall in a zoo, small wildlife are varied in shape, size and number, and encounters with them during any outdoor activities are common but unpredictable.

4 Conclusion

In many ways, in our data from natural outdoor settings, representatives of other species are talked about and oriented to similarly to objects on guided tours in urban environments (e.g. Broth & Mondada 2013; De Stefani 2010; De Stefani & Mondada 2014, 2017): participants produce noticings about them, talk about their characteristics and possibly negotiate what to do with them, before moving on to other objects. Moose flies, slugs and ants, however, are animate objects, in the sense of both alive and mobile. They are available for observing and even acting on, but they live and move independently of humans. Apart from moose flies and mosquitos perhaps, participants in our data treat other species as having a right to their natural habitats, which may be described in human terms for the children (i.e. anthills are talked about as homes), and their existence is considered as meaningful in itself.
While all our cases begin with noticings, the subsequent courses of action unfold in different ways so that participants may display and renew their already established shared understandings by all treating the wildlife in similar ways; pursue shared understandings by setting an example and providing accounts for the ways in which they treat the wildlife; or pursue shared understandings by guiding and instructing others in treating the wildlife in appropriate ways and by holding others accountable for their conduct. In other words, the cases in our data fall on different points along a continuum of the degrees to which participants explicitly negotiate, demonstrate and instruct others in constructing the human–nature relationship in social interaction.

We have shown how, in the process of displaying and monitoring their evolving understandings about the appropriate ways of engaging in interspecies encounters, the participants draw on, among other things, talk, gaze, body position and space in their own intraspecies interaction. Moreover, we have shown how touch emerges as an important resource in managing such interspecies encounters. Through their multimodal conduct, human participants communicate to one another what forms of touch are appropriate when dealing with other species: for instance, should a careful, and even caring, touch be employed (e.g. Excerpt 2) or should the wildlife not be touched at all (e.g. Excerpt 4). Sometimes, small wildlife may also seek contact with humans as part of their natural feeding and breeding behavior, and in such cases touch is used to shoo them off or even to kill
them (Excerpt 1). These different forms of touch in interspecies encounters show that touch is one important means for displaying, pursuing and achieving shared understandings of the human–nature relationship among human participants.

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