

Roundtable on LOA in Language Classrooms and Large-Scale Contexts
Teachers College, Columbia University, New York
October 10-12, 2014

Unplanned LOA in EFL classrooms: Findings from an empirical study

Dina Tsagari
Department of English Studies









1992 - 7048 students , 8 faculties , 22 departments & 11 research units. http://ucy.ac.cy/en/













Focus

 To investigate the level of LAL of FL teachers across Europe

Aim

• To explore levels of training needed and received, teachers' compensation strategies & local LAL needs

Data

- Cyprus-FYROM-Germany-Greece-Italy-Poland-Turkey
- 853 Teacher Questionnaires (Hasselgreen et al 2004)
- 63 Teacher Interviews: Greece-Germany-Cyprus (Guiding questions)
- 2009-2010

Analysis

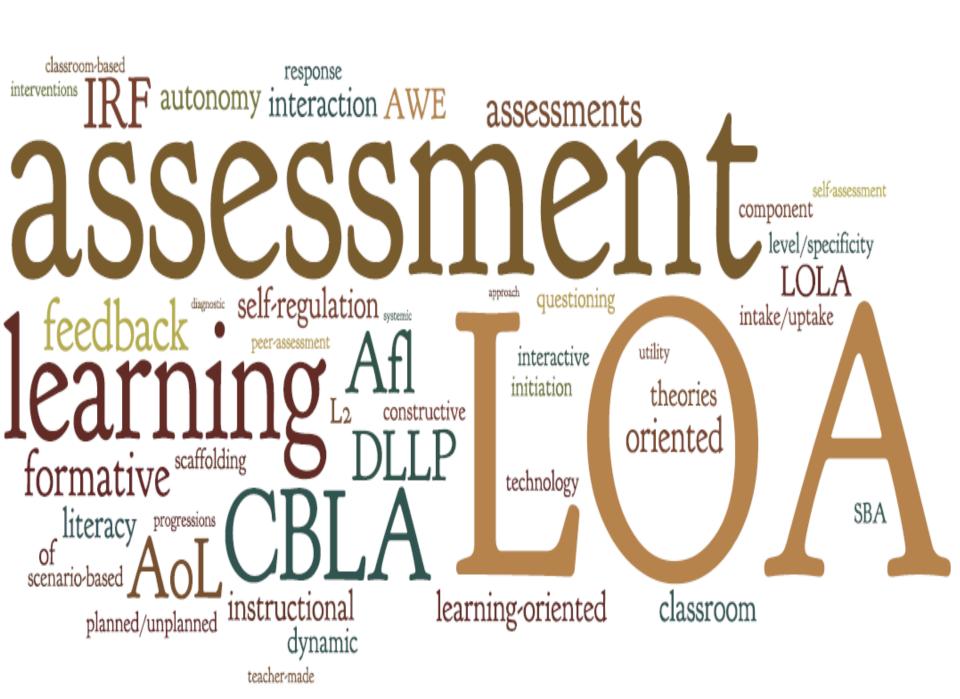
- SPSS
- Atlas.ti

Vogt, K. & Tsagari, D. (2014, forthcoming) 'Assessment literacy of foreign language teachers: findings of a European study'. Language Assessment Quarterly.

Component	Training		ITA practicos	
	Received	Needed	- LTA practices	
1. Classroom- focused LTA (12 questions)	1.1 a)	1.2 a)	Preparing classroom tests	
	1.1 b)	1.2 b)	Ready-made tests from textbook packages	
	1.1 c)	1.2 c)	Giving feedback based on assessment	
	1.1 d)	1.2 d)	Self- or peer-assessment	
	1.1 e)	1.2 e)	Informal assessment	
	1.1 f)	1.2 f)	ELP or Portfolio	
2. Purposes of testing (8 questions)	2.1 a)	2.2 a)	Giving grades	
	2.1 b)	2.2 b)	Finding out what needs to be taught/learned	
	2.1 c)	2.2 c)	Placing students onto programs etc	
	2.1 d)	2.2 d)	Awarding final certificates	
3. Content and concepts of LTA (16 questions)	3.1.1 a)	3.2.1 a)	Receptive skills (reading/listening)	
	3.1.1 b)	3.2.1 b)	Productive skills (speaking/writing)	
	3.1.1 c)	3.2.1 c)	Microlinguistic aspects (grammar/vocabulary)	
	3.1.1 d)	3.2.1 d)	Integrated language skills	
	3.1.1 e)	3.2.1 e)	Aspects of culture	
	3.1.2	3.2.2	Reliability	
	3.1.3	3.2.3	Validity	
	3.1.4	3.2.4	Using statistics	

LAL training levels in other aspects

Training Received (%)			Training Needed (%)	
Self-/Peer- assessment	None	38.8	None	19.0
	Basic	41.2	Basic	39.5
	Advanced	20.0	Advanced	41.4
Informal assessment	None	38.9	None	20.9
	Basic	38.7	Basic	34.4
	Advanced	22.4	Advanced	44.7
ELP or Portfolio	None	51.9	None	14.0
	Basic	35.8	Basic	37.5
	Advanced	12.3	Advanced	48.5
Giving feedback on assessments	None	29.3	None	24.7
	Basic	40.5	Basic	34.3
	Advanced	30.2	Advanced	41.0



What is LOA?

"An LOA approach highlights learning goals, performance evaluation and feedback, and the role they play in developing individual learning progressions. In fact, an assessment cannot really be considered "learning-oriented" until evidence is available to demonstrate that feedback or other assistance related to a learning goal has led in some way to L2 system change"

Turner, C.E. & Purpura, J.E. (forthcoming)

What is LOA?

"An LOA approach highlights learning goals, performance evaluation and feedback, and the role they play in developing individual learning progressions. In fact, an assessment cannot really be considered "learning-oriented" until evidence is available to demonstrate that feedback or other assistance related to a learning goal has led in some way to L2 system change"

Turner, C.E. & Purpura, J.E. (forthcoming)



What is 'unplanned' assessment?

"any actions, interactions or artifacts (planned or unplanned, deliberate or unconscious, explicit or embedded) which have the potential to provide information on the qualities of a learner's (or group of learners') performance"

Hill, K. & T. McNamara (2011:397)

What is 'unplanned' assessment?

"Most unplanned or spontaneous elicitations are teacher-initiated, and engineered to evaluate a student's and group of students' state of KAS, with the goal of helping them notice, understand, remember, analyze, internalize, and use learning targets"

Turner, C.E. & Purpura, J.E. (forthcoming)

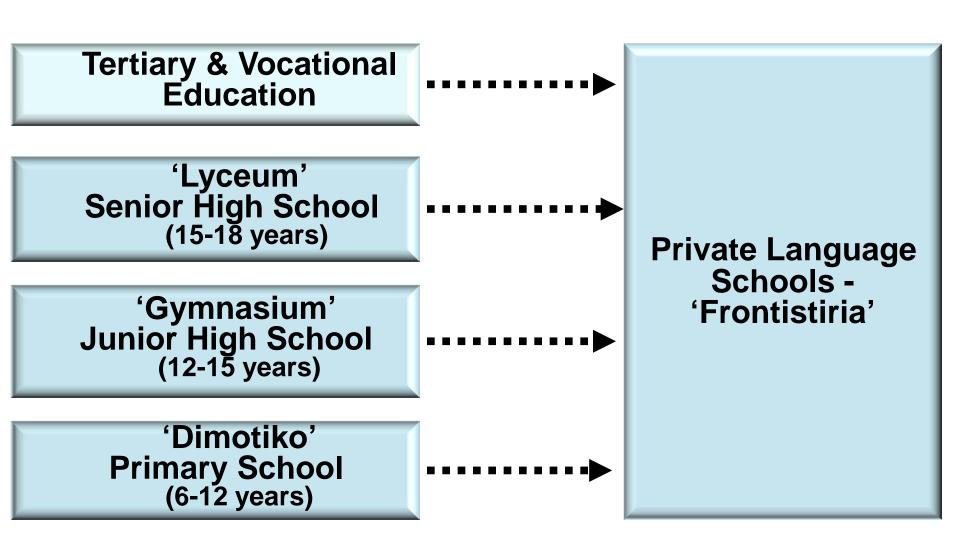
Focus

- What is the nature of the embedded, spontaneous, unplanned assessments -especially with feedback (evaluation + assistance)?
- To what extent does the assessment feedback promote or inhibit processing & learning?

Sources

- Tsagari, D. & G. Michaeloudes. 2012. Formative assessment practices in private language schools in Cyprus. In D. Tsagari (ed.), Research on English as a Foreign Language in Cyprus (Vol. II) 246-265. Nicosia: University of Nicosia Press.
- Tsagari, D. and G. Michaeloudes (under review)
 (Provision of feedback in exam classes in Cyprus'.
 In Y. Bayyurt & N. Sifakis (eds.) English Language
 Education Policies and Practices: A
 Mediterranean Perspective. Multilingual Matters.

The Cypriot Educational System at a glance



Participants

- Young EFL learners (8-13 years old)
- Seven private language schools in Cyprus
- 25 hours of observations in total

Teacher	Lessons	Minutes (In total)
T-KA	4	240
T-XK	3	180
T-XR	3	180
T-MSC	4	240
T-CMC	4	240
T-MS	4	240
T-ET	3	180

Focus

- Classroom interaction
- Initiation Response Feedback ('IRF pattern' - Sinclair and Coulthard, 1975)

Initiation

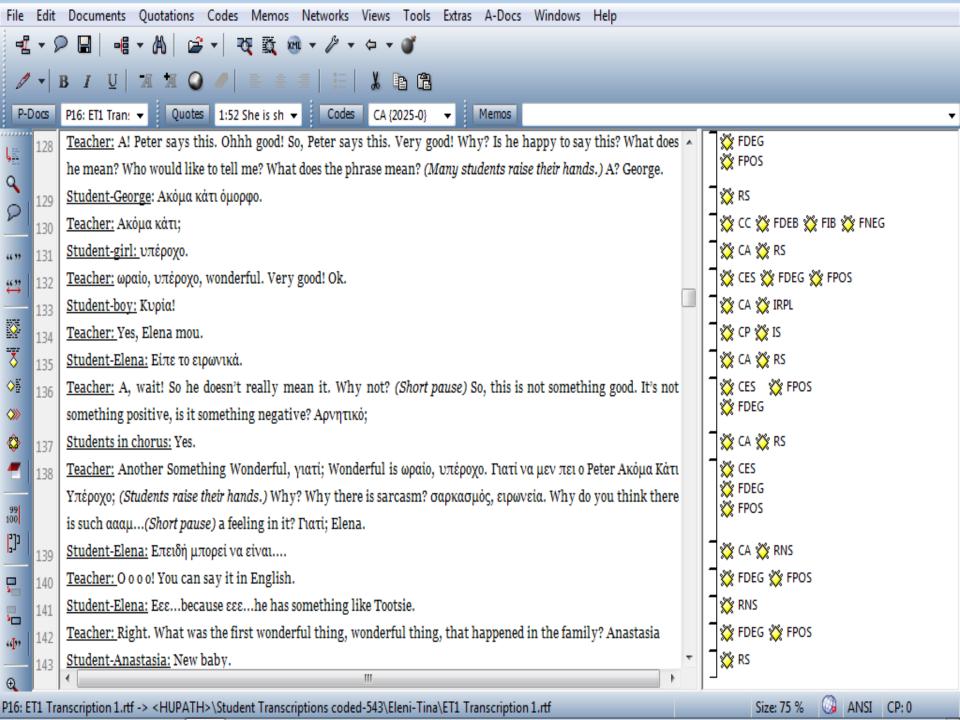
- Questions
- Recasts,
- Turn allocation,
- Wait time, etc

Questions

Question	Description
type	
Open	More than one possible answer
Closed	Only one expected answer
Display	Teachers know the answer
Referential	Teachers do not know the answer

Feedback

Feedback	Description
type	
Descriptive	feedback based on their current achievement to specify attainment or improvement and to construct achievement or plan the way forward.
Evaluative (corrective)	judgment of learners' responses by approving or disapproving, and rewarding or punishing them.



- 1 T-KA: ... (So), so, today we are going to talk about our friends. Do you have a lot of friends? Student 1?
- 2 S1: ...
- 3 T-KA: Student 1? Have you got a lot of friends?
- 4 S1: ...
- 5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of friends'?
- 6 S1: (Do you have a lot of friends)?
- 7 T-KA: (What are you going to say)?
- 8 S1: Yes, I have!
- 9 T-KA: Yes, I have. Do you have a best friend?
- 10 S1: [student nods]
- 11 T-KA: Yes. Right! What's her name?
- 12 S1: ...
- 13 T-KA: What's her name?
- 14 S1: ...
- 15 T-KA: What's her name? Her name ... (What is the name of your best friend)?
- **16 S1: Ioanna.**
- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?

- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Very good. Is she tall or short? [teacher demonstrates
- 'tall'/'short']
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair or black hair?
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good! Is she pretty? She is pretty?
- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

1 T-KA: ... (So), so, today we are going to talk about our friends.

Do you have a lot of friends? Student 1?

2 S1: ...

3 T-KA: Student 1? Have you got a lot of friends?

4 S1: ...

5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of

friends'?

6 S1: (Do you have a lot of friends)?

7 T-KA: (What are you going to say)?

8 S1: Yes, I have!

9 T-KA: Yes, I have. Do you have a best friend?

10 S1: [student nods]

11 T-KA: Yes. Right! What's her name?

12 S1: ...

13 T-KA: What's her name?

14 S1: ...

15 T-KA: What's her name? Her name ... (What is the name of your best friend)?

16 S1: Ioanna.

Excerpt 1. Beginning of the lesson (Y/L) 1 T-KA: ... (So), so, today we are going to talk about our friends. Do you have a lot of friends? Student 1? **T-Initiation** 2 S1: ... **S-Response** 3 T-KA: Student 1? Have you got a lot of friends? **T-Feedback** 4 S1: ... 5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of friends'? 6 S1: (Do you have a lot of friends)? 7 T-KA: (What are you going to say)? 8 S1: Yes, I have! 9 T-KA: Yes, I have. Do you have a best friend?

15 T-KA: What's her name? Her name ... (What is the name of your best friend)?

10 S1: [student nods]

13 T-KA: What's her name?

12 S1: ...

14 S1: ...

16 S1: Ioanna.

11 T-KA: Yes. Right! What's her name?

```
Excerpt 1. Beginning of the lesson (Y/L)
1 T-KA: ... (So), so, today we are going to talk about our friends.
Do you have a lot of friends? Student 1?
2 S1: ...
3 T-KA: Student 1? Have you got a lot of friends?
4 S1: ...
                                                                                   S-Response
5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of
                                                                                   T-Feedback
friends'?
6 S1: (Do you have a lot of friends)?
7 T-KA: (What are you going to say)?
8 S1: Yes, I have!
9 T-KA: Yes, I have. Do you have a best friend?
10 S1: [student nods]
11 T-KA: Yes. Right! What's her name?
12 S1: ...
13 T-KA: What's her name?
14 S1: ...
15 T-KA: What's her name? Her name ... (What is the name of your best friend)?
```

16 S1: Ioanna.

Excerpt 1. Beginning of the lesson (Y/L) 1 T-KA: ... (So), so, today we are going to talk about our friends. Do you have a lot of friends? Student 1? 2 S1: ... 3 T-KA: Student 1? Have you got a lot of friends? 4 S1: ... 5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of friends'? 6 S1: (Do you have a lot of friends)? **S-Response T-Feedback** 7 T-KA: (What are you going to say)? 8 S1: Yes, I have! 9 T-KA: Yes, I have. Do you have a best friend?

15 T-KA: What's her name? Her name ... (What is the name of your best friend)?

10 S1: [student nods]

13 T-KA: What's her name?

12 S1: ...

14 S1: ...

16 S1: Ioanna.

11 T-KA: Yes. Right! What's her name?

```
Excerpt 1. Beginning of the lesson (Y/L)
1 T-KA: ... (So), so, today we are going to talk about our friends.
Do you have a lot of friends? Student 1?
2 S1: ...
3 T-KA: Student 1? Have you got a lot of friends?
4 S1: ...
5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of
friends'?
6 S1: (Do you have a lot of friends)?
7 T-KA: (What are you going to say)?
8 S1: Yes, I have!
                                                                         S-Response
9 T-KA: Yes, I have. Do you have a best friend?
                                                                         T-Feedback
10 S1: [student nods]
11 T-KA: Yes. Right! What's her name?
12 S1: ...
13 T-KA: What's her name?
14 S1: ...
15 T-KA: What's her name? Her name ... (What is the name of your best friend)?
16 S1: Ioanna.
17 T-KA: Ioanna! Very good! Excellent!
```

```
Excerpt 1. Beginning of the lesson (Y/L)
1 T-KA: ... (So), so, today we are going to talk about our friends.
Do you have a lot of friends? Student 1?
2 S1: ...
3 T-KA: Student 1? Have you got a lot of friends?
4 S1: ...
5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of
friends'?
6 S1: (Do you have a lot of friends)?
7 T-KA: (What are you going to say)?
8 S1: Yes, I have!
9 T-KA: Yes Thave Do you have a best friend?
                                                                           T-Initiation
10 S1: [student nods]
                                                                           S-Response
11 T-KA: Yes. Right! What's her name?
                                                                           T-Feedback
12 S1: ...
13 T-KA: What's her name?
14 S1: ...
15 T-KA: What's her name? Her name ... (What is the name of your best friend)?
16 S1: Ioanna.
17 T-KA: Ioanna! Very good! Excellent!
```

1 T-KA: ... (So), so, today we are going to talk about our friends.

Do you have a lot of friends? Student 1?

2 S1: ...

3 T-KA: Student 1? Have you got a lot of friends?

4 S1: ...

5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot of

friends'?

6 S1: (Do you have a lot of friends)?

7 T-KA: (What are you going to say)?

8 S1: Yes, I have!

9 T-KA: Yes, I have. Do you have a best friend?

10 S1: [student nods]

11 T-KA: Yes. Right! What's her name? T-Initiation

12 S1: ... S-Response

13 T-KA: What's her name? T-Feedback

14 S1: ...

15 T-KA: What's her name? Her name ... (What is the name of your best friend)?

16 S1: Ioanna.

```
Excerpt 1. Beginning of the lesson (Y/L)
1 T-KA: ... (So), so, today we are going to talk about our friends.
Do you have a lot of friends? Student 1?
2 S1: ...
3 T-KA: Student 1? Have you got a lot of friends?
4 S1: ...
5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot
of friends'?
6 S1: (Do you have a lot of friends)?
7 T-KA: (What are you going to say)?
8 S1: Yes, I have!
9 T-KA: Yes, I have. Do you have a best friend?
10 S1: [student nods]
11 T-KA: Yes. Right | What's her name?
12 S1: ...
13 T-KA: What's her name?
14 S1: ...
                                                                                   S-Response
15 T-KA: What's her name? Her name ... (What is the name of your best friend)?
                                                                                   T-Feedback
16 S1: Ioanna.
17 T-KA: Ioanna! Very good! Excellent!
                                                                                   S-Response
```

T-Feedback

17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?

18 S2: Yes, I have.

19 T-KA: Excellent! What's her name?

20 S2: Her name is Vicky.

21 T-KA: Very good. Is she tall or short? [teacher demonstrates 'tall'/'short']

22 S2: She is short.

23 T-KA: She is short! Has she got brown hair or black hair?

24 S2: ... she has got ... brown hair.

25 T-KA: Brown hair! Excellent! Very good! Is she pretty? She is pretty?

26 S2: Yes!

27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

T-Initiation

S-Response T-Feedback

- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?
- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Very good. Is she tall or short? [teacher demonstrates 'tall'/'short']
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair or black hair?
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good! Is she pretty? She is pretty?
- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

T-Initiation S-Response T-Feedback

- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?
- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Very good Is she tall or short? [teacher demonstrates 'tall'/'short']
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good! Is she pretty? She is pretty?
- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

T-Initiation

S-Response

T-Feedback

- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?
- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Is she tall or short? (teacher demonstrates 'tall'/'short')
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair or black hair?
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good!

she pretty? She is pretty:

- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

T-Initiation

S-Response

T-Feedback

Excerpt 1. Beginning of the lesson (Y/L)

- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?
- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Is she tall or short? (teacher demonstrates 'tall'/'short')
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair or black hair?
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good! she pretty? She is pretty?
- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent!

T-Initiation

S-Response T-Feedback

```
Excerpt 1. Beginning of the lesson (Y/L)
1 T-KA: ... (So), so, today we are going to talk about our friends.
Do you have a lot of friends? Student 1?
2 S1: ...
3 T-KA: Student 1? Have you got a lot of friends?
4 S1: ...
5 T-KA: Have you got a lot of friends? (What does it mean) 'have you got a lot
of friends'?
6 S1: (Do you have a lot of friends)?
7 T-KA: (What are you going to say)?
8 S1: Yes, I have!
9 T-KA: Yes, I have. Do you have a best friend?
10 S1: [student nods]
11 T-KA: Yes. Right! What's her name?
12 S1: ...
13 T-KA: What's her name?
14 S1: ...
15 T-KA: What's her name? Her name ... (What is the name of your best
friend)?
16 S1: Ioanna.
17 T-KA: Ioanna! Very good! Excellent!
```

Excerpt 1. Beginning of the lesson (Y/L)

- 17 T-KA: Ioanna! Very good! Excellent! Student 2, have you got a best friend?
- 18 S2: Yes, I have.
- 19 T-KA: Excellent! What's her name?
- 20 S2: Her name is Vicky.
- 21 T-KA: Very good. Is she tall or short? [teacher demonstrates 'tall'/'short']
- 22 S2: She is short.
- 23 T-KA: She is short! Has she got brown hair or black hair?
- 24 S2: ... she has got ... brown hair.
- 25 T-KA: Brown hair! Excellent! Very good! Is she pretty? She is pretty?
- 26 S2: Yes!
- 27 T-KA: Yes, she is very pretty! Excellent! Now, Student 3, have you got a best friend?

Excerpt 2.

- 1 T-KA: ... Let's go now to Exercise 2, Exercise 2. Come on, Student 1 ... (tell me the first one).
- 2 S1: Which children go to the same school together? Tom and John.
- 3 T-KA: Tom and John. Excellent! Student 2 B.
- 4 S2: Who is good at maths? John.
- 5 T-KA: John. Very good! C ... Student 3?
- 6 S3: Which children play video games? John and Tom.
- 7 T-KA: John and Tom (right)? John and Tom. D Student 4.
- 8 S4: Who is slim? Fay and John.
- 9 T-KA: Fay and John. Excellent! E Student 5.

Excerpt 2.

- 1 T-KA: ... Let's go now to Exercise 2, Exercise 2. Come on, Student 1 ... (tell me the first one).
- 2 S1: Which children go to the same school together? Tom and John.
- 3 T-KA: Tom and John. Excellent! Student 2 B.
- 4 S2: Who is good at maths? John.
- 5 T-KA: John. Very good! C ... Student 3?
- 6 S3: Which children play video games? John and Tom.
- 7 T-KA: <u>John and Tom (right)? John and Tom</u>. D Student 4.
- 8 S4: Who is slim? Fay and John.
- 9 T-KA: Fay and John. Excellent! E Student 5.

•••••

Excerpt 3.

- 1 S1: In the afternoon.
- 2 T-CMC: Bravo! In the morning. In the afternoon. In the evening. (But if we say) ... night, (what are we going to use)? (Yes) Student 2 ...
- 3 S2: At night.
- 4 T-CMC: Bravo! At night. (When do we also use) 'at'? Student 3?
- 5 S3: (When) ... (for example ... at Christmas) (the hours)....
- 6 T-CMC: Bravo! (We say) at Christmas.
- 7 S3: (the hours) ...
- 8 T-CMC: Bravo! At five o'clock for example. Yes. What else?
- 9 S4: (At Easter)

- 1 S1: In the afternoon.
- 2 T-CMC: Bravo! In the morning. In the afternoon. In the evening. (But if we say) ... night, (what are we going to use)? (Yes) Student 2 ...
- 3 S2: At night.
- 4 T-CMC: Bravo! At night. (When do we also use) 'at'? Student 3?
- 5 S3: (When) ... (for example ... at Christmas) (the hours)....
- 6 T-CMC: Bravo! (We say) at Christmas.
- 7 S3: (the hours) ...
- 8 T-CMC: Bravo! At five o'clock for example. Yes. What else?
- 9 S4: (At Easter)

- Extract 4.
- S1: My father sometimes works in London.
- T1: Bravo! 'My father' [το πρόσωπο] the subject, 'sometimes' [η λέξη μας] our word, 'works' [το ρήμα μας] our verb, 'in London'. [Το τρία ποιός θα μου το κάνει τώρα;] Who is going to do three for me? S1?
- **S1:** People usually travel in the summer.
- T1: Excellent! Very good S1! Very good! 'People' [το πρόσωπο] the subject, 'usually' [συνήθως] usually, 'travel' [ταξιδεύουν] travel, 'in the summer'. [Το four, να κάνουμε ακόμη ένα, ποιός θα μου κάνει το four? S2;] Four, let's do one more. Who is going to do four for me? Penny?
- S2: Jane never eats fish.
- Teacher 1: Μπράβο! 'Jane' [το πρόσωπο] the subject, 'never' [ποτέ] never, 'eats' [το ρήμα μας] our verb, fish. [Καταλάβατε πως έπρεπε να γίνει αυτή η άσκηση; Σίγουρα δεν έχουμε άλλες απορίες; Μπράβο! Μα'σαστε καταπληκτικοί!] Do you understand how you get to do this exercise? Are you sure you don't have any questions? Bravo! You are amazing!

Features of feedback most likely to contribute to learning

- > Avoidance of ritualistic, highly structured exchange patterns
- > Open and, as far possible, genuine questions
- Questions at higher cognitive levels than requiring simple recall or mechanical response
- Probing to ask further questions to encourage sustained and extended dialogue
- > Allowing and encouraging pupils to take initiative
- Uptake of points raised by pupils
- ➤ Generally aiming for pupils to do most of the talking and to show what they know

(Hasselgreen, 2012)

Summary of results

In the current context LOA:

- is an individual process situation in contextual and collaborative learning within unplanned assessment spaces
- is based on a layered set of interactions
- is based on a teacher-centred orientation to teaching
- exhibited excessive use of IRF that conditioned learning

Research implications

Further research in synergy between teaching, learning and assessment in language classrooms, e.g.:

- In-depth analysis of 'unplanned' assessment discourse
- Follow-up interviews with teachers

Research implications

Further research in the nature of the interface between teaching, learning and assessment in language classrooms, e.g., <u>Classroom interaction</u>:

- Initiation: Teachers (Seedhouse, 1996; Smith and Higgins, 2006)
- Initiation: Students (Ackers & Hardman, 2001)
- Responses (Mohr & Mohr, 2007; Emanuelsson & Sahlstrom, 2008)
- Freedback: Correct answers (Tunstall & Gipps, 1996; Hattie & Timperley, 2007; Hill & McNamara, 2012; Lyster & Randa, 1997)
- Implicit/Explicit Feedback: Incorrect answers (Lyster & Randa, 1997; Mackey, 2010; Revez, 2008)
- **Uptake** (Lyster & Randa, 1997; Revez, 2011)

Pedagogical recommendations

To promote LOA:

- Formal LTA/LOA courses in University programmes
- Pre-/in-service LTA/LOA training courses
- Assessment booklets/Self-access materials
- Technology (internet, online tutorials)
- Teacher assessment teams (collaboratively)
- Teacher publications and presentations/forums/panels in LTA/LOA

However....

LTA/LOA training courses need to:

- capitalise on teachers' existing experience and practices,
- take into account results of assessment needs analysis,
- recognise and deal with the reality and constraints influencing teachers' assessment practices,
- encourage an action-research orientation to professional development,
- combine theories with practice in the classroom,
- involve policy and decision makers,
- involve teachers in collaborative assessment development projects, and
- involve students in assessment.

Thank you!

dinatsa@ucy.ac.cy

